AD-A128 112 GRAY AAF/FORT LEWIS WASHINGTON REVISED UNIFORM SUMMARY OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 14 DEC 82 1/5

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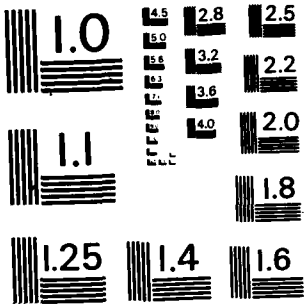

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USAFETAC
Air Weather Service (MAC)

14 DEC 1982

GRAY AAF/FT LEWIS WA WBAN #742070
N 47 05 W 122 35 FLD ELEV 301 FT GRF

PARIS A-F
POR FROM HOURLY OBS: JAN 73 - DEC 81

POR FROM DAILY OBS: APR 39 - JUL 40, JUNE 60 - DEC 81

TIME CONVERSION GMT TO LST: -8

DEC 10 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

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REPORT DOCUMENTATION PAGE

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1. REPORT NUMBER: USAFETAC/DS- 82/062
2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)- GRAY AAF/FT LEWIS, WA
5. TYPE OF REPORT & PERIOD COVERED: Final rept.
6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)
8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS: USAFETAC/OL-A, Air Force Environmental Technical Appl. Center, Scott AFB IL 62225
10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225
12. REPORT DATE: 14 DEC 82
13. NUMBER OF PAGES: 400
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)
15. SECURITY CLASS. (of this report): UNCLASSIFIED
15a. DECLASSIFICATION DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report): Approved for public release; distribution unlimited.
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)
18. SUPPLEMENTARY NOTES
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

*RUSSWO	Daily temperatures	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometeric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative Humidity	*Climatological data	(over)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report is a six-part statisitical summary of surface weather observations for GRAY AAF/FT LEWIS, WA
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD FORM 1 JAN 73 1473

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19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables, Fort Hood, Fort Lewis

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS
- ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
- SNOWFALL
- SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
- SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP
- EXTREME MAX & MIN TEMP
- PSYCHROMETRIC-DRY VS WET BULB
- MEAN & STD DEV - (DRY BULB, WET BULB, & DEW POINT)
- RELATIVE HUMIDITY

PART F STATION PRESSURE
- SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____	APRIL _____	JULY _____	OCTOBER _____
FEBRUARY _____	MAY _____	AUGUST _____	NOVEMBER _____
MARCH _____	JUNE _____	SEPTEMBER _____	DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
742070	FORT LEWIS WASHINGTON/GRAY AAF	N 47 05	W 122 35	301	GRF	74207

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	BAROMETER	
1	Gray Fld, Ft Lewis Wash.	AAF	Apr 39	Jul 40	N 47 05	W 122 37		283	24
2	Gray AAF, Ft Lewis Wash.	AAF	Jun 60	Feb 65	N 47 05	W 122 35	311	295	24
3	No change	AAF	Mar 65	Jul 68	No chge	No chge	No chge	330	No chge
4	No change	AAF	Aug 68	Aug 68	No chge	No chge	No chge	No chge	17
5	No change	AAF	Sep 68	Apr 69	No chge	No chge	No chge	No chge	24
6	No change	AAF	May 69	Sep 71	No chge	No chge	No chge	No chge	17
7	No change	AAF	Oct 71	Sep 72	No chge	No chge	No chge	No chge	24
8	No change	AAF	Oct 72	Dec 75	No chge	No chge	No chge	285	No chge
9	No change	AAF	Jan 76	Aug 82	No chge	No chge	301	No chge	No chge

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 39 to Jul 40	Located in operations bldg.	Anemometer	None	40 ft	
2	Jun 60 to Nov 63	Located 1200 ft S of E-W Rnwy, 800 ft E of N-S Rnwy.	AN/GMQ-11	None	13 ft	
3	Dec 63 to Feb 64	Located 1040 ft from centerline off the N end of the N-S Rnwy.	No chge	None	No chge	

USAFETAC FORM APR 68 0-19 (OL A)

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
4	Mar 64 to 13 Jun 67	Located 1040 ft E of N-S Rnwy centerline and 648 ft S of E-W Rnwy centerline.	No chge	None	No chge	
5	14 Jun 67 to Oct 71	No change	No chge	RO-214	No chge	
6	Nov 71 to Sep 72	No Change	No chge	RO-362	No chge	
	Oct 72 to Aug 82	No Change	AN/GMQ 11/20	No chge	No chge	

MAC-6 APR, 70 00-0076

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A

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the c ~vations when one or more of the above obstructions to vision occurred. Since more than one type of obst: ion may be reported in the same observation, the sums of the individual categories may exceed the perc: ~e total columns. Also, although precipitation may reduce visibility, it is not considered an obstru ~ to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need reflect the total observations with reduced visibility.

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible] AAF/FT LEWIS WA [illegible] JAN

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	0-2		[illegible]		2.4		23.0	33.4	1.7			[illegible]	[illegible]
	3-[illegible]		[illegible]	.2	2.0		24.7	35.4	1.[illegible]			[illegible]	[illegible]
	4-[illegible]		23.7	.6	1.8		25.7	34.5	1.8			[illegible]	[illegible]
	[illegible]-11		[illegible].3	.5	2.6		22.7	33.[illegible]	3.2			34.[illegible]	[illegible]
	1[illegible]-[illegible]		[illegible].7		2.4		22.7	34.5	3.[illegible]			[illegible]	[illegible]
	1[illegible]-17		24.5		2.3		26.6	31.3	4.4			27.2	[illegible]
	[illegible]-2		[illegible]		1.7		23.6	34.8	[illegible]			[illegible]	[illegible]
	1-2[illegible]		[illegible]		1.6		21.4	31.[illegible]	1.3			[illegible]	[illegible]
TOTALS			[illegible]	.2	2.1		23.[illegible]	[illegible]	2.[illegible]			[illegible]	6577

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WEATHER CONDITIONS

[illegible] AY AAFB/FT LEWIS WA [illegible] 73-81 [illegible]
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	3-[illegible]		2[illegible].2		.9		23.[illegible]	26.8	1.4			[illegible].6	762
	7-[illegible]		24.5		1.4		26.[illegible]	29.7	1.[illegible]			7[illegible].1	762
	[illegible]-[illegible]		24.[illegible]	.3	2.1		27.[illegible]	31.6	1.3			72.[illegible]	762
	9-11		[illegible].7	.3	2.[illegible]		22.6	25.1	2.9			[illegible].2	762
	13-1[illegible]		21.1		1.6	.3	22.4	12.1	[illegible].1			1[illegible].1	762
	15-17		23.4		1.[illegible]	.3	24.[illegible]	9.2	1.5			1[illegible]	762
	[illegible]-21		22.9		1.2		23.9	12.7	3.3			14.[illegible]	762
	1-23		21.4		1.[illegible]		22.6	19.2	1.2			1[illegible].[illegible]	762
TOTALS			22.6	.1	1.4	.1	23.9	2[illegible].8	1.9			21.7	6[illegible]96

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WEATHER CONDITIONS

70	GRAY AAF/FT LEWIS WA	73-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (S T)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	0-02		15.2		.2		15.4	9.7	.2			9.8	837
	03-05		13.3		.5		13.8	14.9	.5			14.9	837
	06-08		18.9		.4		19.0	20.4	1.6			21.1	837
	09-11		19.6		.1		19.7	12.3	3.1			14.0	837
	12-14	.1	20.7		.4		20.8	4.1	1.1			4.8	837
	15-17		20.9		.2	.2	21.1	3.1	1.2			4.1	837
	18-20	.1	18.7		.5		19.0	3.1	.6			3.6	836
	21-23		18.2		.4		18.2	5.4	1.1			6.6	837
TOTALS		.0	18.8		.3	.1	19.0	9.1	1.2			9.7	6695

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	0-02	.4	14.3				14.3	5.7	.4			5.[illegible]	810
	03-05	.1	16.5				16.5	12.3	1.0			12.7	810
	6-8		14.1		.2		14.3	15.6	1.7			15.8	810
	9-11	.1	14.2				14.2	4.4	3.0			6.9	810
	12-14	.1	17.2		.1	.1	17.2	1.6	.5			2.1	810
	15-17	.1	14.1		.1		14.1	.7	.4			1.1	810
	18-20		15.9		.2		15.9	2.1				2.1	810
	21-23		14.[illegible]				14.0	2.5				2.5	810
TOTALS		.1	15.[illegible]		.1	.1	15.1	5.6	.9			6.1	6480

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
74 75	GRAY AAF/FT LEWIS WA	73-81	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02		10.8				10.8	1.9				1.9	837
	03-05		14.8				14.8	4.5				4.5	837
	6-8		11.6				11.6	6.6	.4			6.9	837
	9-11		12.1				12.1	2.6	.4			2.7	837
	12-14		13.4				13.4	1.3	.1		.1	1.6	837
	15-17	.4	15.1			.1	15.1	1.4	.1		.1	1.7	837
	18-20	.5	11.9				11.9	1.4			.2	1.7	837
	21-23	.1	10.4				10.4	2.0				2.0	837
TOTALS		.1	12.5			.0	12.5	2.7	.1		.1	2.9	6696

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	0-02		7.[illegible]				7.[illegible]	3.2	.5			3.6	810
	03-05		9.5				9.5	4.9				4.9	810
	6-08		9.8				9.8	8.4	.7			9.[illegible]	810
	9-11		9.9				9.9	4.1	1.2			5.1	810
	12-14	.1	10.1				10.1	1.5	1.[illegible]			2.6	810
	15-17	.2	8.1				8.1	2.3	.1			2.5	810
	18-20		6.8				6.8	2.8	.5		.1	3.5	810
	21-23		6.7				6.7	1.9	.4		.1	2.3	810
TOTALS		.0	8.5				8.5	3.6	.6		.0	4.2	6480

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WEATHER CONDITIONS

74[illegible]7[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	0-02		2.9				2.9	.6	.6			1.2	837
	03-05		3.3				3.3	5.6	.7			5.9	837
	6-8	.1	6.7				6.7	10.6	1.2		.1	11.6	837
	9-11		5.3				5.3	3.6	1.4			4.4	837
	12-14	.5	4.9				4.9	.1	.5			.6	837
	15-17	.5	4.8				4.8	.4				.4	837
	18-20		3.5				3.5	.7	.7			1.4	837
	21-23	.1	2.9				2.9	.5	.6			1.1	837
TOTALS		.2	4.3				4.3	2.8	.7		.0	3.3	6696

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WEATHER CONDITIONS

74077 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
AUG — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	0-02	.1	6.5				6.5	6.8	.5			7.7	837
	03-05	.2	6.5				6.5	17.7	.8			17.9	837
	06-08	.1	7.6				7.6	25.3	1.2			30.5	837
	9-11	.2	6.9				6.9	14.2	4.5			16.7	837
	12-14	.6	9.2				9.2	4.2	1.1			5.3	837
	15-17	.2	9.9				9.9	3.3	.7			3.7	837
	18-20	.4	9.2				9.2	2.9	.7			3.3	837
	21-23	.1	6.0				6.0	3.6	.1			3.7	837
TOTALS		.2	7.7				7.7	10.4	1.2			11.1	6696

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

740270	GRAY AAF/FT LEWIS WA	73-81	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02		10.0				10.0	13.8	1.1			14.2	810
	03-05		9.9				9.9	24.0	1.2			24.4	810
	6-08		12.1				12.1	34.6	2.7			36.3	810
	9-11	.1	8.8				8.8	16.3	5.8			21.0	810
	12-14	.4	9.8				9.8	6.4	3.5			8.6	810
	15-17	.1	11.6				11.6	4.7	1.6			5.8	810
	18-20		9.9				9.9	5.7	1.7			7.0	810
	21-23		9.3				9.3	7.8	.7			8.1	810
TOTALS		.1	10.2				10.2	14.2	2.3			15.7	6480

USAFETAC FORM JULY 66 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
74-77	GRAY AAF/FT LEWIS WA	73-81	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	0-02		11.[illegible]				11.[illegible]	33.7	2.7			34.4	837
	03-05		13.4				13.4	39.2	1.9			4[illegible].0	837
	6-08		14.1				14.1	44.8	2.4			4[illegible].8	837
	9-11		13.[illegible]				13.0	28.4	7.3			33.0	837
	12-14		14.9				14.9	13.4	8.5			16.6	837
	15-17		15.2				15.2	5.0	4.3			8.5	837
	18-20		12.7				12.7	7.4	4.9			1[illegible].0	837
	21-23		11.8				11.8	18.0	3.2			19.4	837
TOTALS			13.3				13.3	23.4	4.4			26.0	6696

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

74[illegible]70 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
NOV — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	0-02		22.5		1.2		23.5	29.8	.6			7[illegible].1	810
	03-05		20.2		1.1		21.4	30.6	.9			71.2	810
	6-08		20.5		.7		21.1	29.9	1.4			30.5	810
	9-11		17.3		.6		17.8	25.8	4.4			27.9	810
	12-14		2[illegible].0		.7		20.7	17.2	5.2			19.9	810
	15-17		21.5		1.0		22.3	16.3	5.4			19.6	810
	18-20		23.6		.9		24.1	20.7	4.2			22.8	810
	21-23		22.1		1.4		23.3	25.8	2.6			26.9	810
TOTALS			21.0		1.0		21.8	24.5	3.1			25.1	6480

USAFETAC FORM JULY 64 0-10-5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible] GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
DEC — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	0-02		24.8		1.4		25.7	31.9	1.6			33.[illegible]	812
	03-05		25.2		2.1		26.7	31.4	.9			31.9	809
	06-08		24.7		1.5		25.9	29.1	1.1			29.8	812
	09-11		25.9		1.0		26.7	27.4	2.5			28.9	812
	12-14		25.9		.6		26.2	25.0	2.5			30.8	808
	15-17		27.6		.9		28.5	32.3	2.1			27.3	803
	18-20		26.7		1.1	.1	27.5	27.5	1.4			27.8	801
	21-23		26.2	.1	1.1		27.0	28.2	1.0			28.8	801
TOTALS			25.9	.0	1.2	.0	26.8	27.2	1.6			29.0	6454

USAFETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
94[illegible]	GRAY AAF/FT LEWIS WA	73-81	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		21.6	.2	2.1		23.8	29.7	2.3			30.9	6577
FEB			22.6	.1	1.4	.1	23.9	2[illegible].8	1.9			21.7	6[illegible]96
MAR		.0	18.8		.3	.0	19.0	9.1	1.2			9.7	6695
APR		.1	15.7		.1	.0	15.1	5.6	.9			6.1	648[illegible]
MAY		.1	12.5			.0	12.5	2.7	.1		.1	2.9	6696
JUN		.0	8.5				8.5	3.6	.6		.0	4.2	648[illegible]
JUL		.2	4.3				4.3	2.8	.7		.0	3.3	6696
AUG		.2	7.7				7.7	10.4	1.2			11.1	6696
SEP		.1	1[illegible].2				10.2	14.2	2.3			15.7	648[illegible]
OCT			13.3				13.3	23.4	4.4			26.[illegible]	6696
NOV			21.0		1.0		21.8	24.5	3.1			26.1	648[illegible]
DEC			25.9	.0	1.2	.0	26.8	27.2	1.6			2[illegible]	6454
TOTALS		.1	15.1	.0	.5	.0	15.6	14.5	1.7		.0	1[illegible].5	78[illegible]26

USAFETAC FORM JULY 64 0-10-5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

[illegible] GRAY AAF/FT LEWIS WA — 61-81 — ALL
STATION — STATION NAME — YEARS — MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	.2	64.8	1.3	2[illegible].2	.6	71.6	56.9	3[illegible].5	.3		6[illegible]	647
FEB		.3	67.9	.5	9.4	.3	7[illegible].[illegible]	60.4	3[illegible].4			6[illegible].4	576
MAR		.5	62.7		9.9	2.4	64.9	38.6	21.3			4[illegible].7	639
APR		2.9	61.3		4.4	3.7	61.6	30.5	16.5			33.5	6[illegible]
MAY		2.7	5[illegible].9		1.[illegible]	1.9	5[illegible].9	21.7	8.5			23.1	623
JUN		1.9	45.8			1.[illegible]	45.8	2[illegible].9	11.8			24.9	626
JUL		2.2	2[illegible].3			.2	28.3	18.9	13.4			23.[illegible]	636
AUG		3.2	36.7				36.7	35.0	23.6			41.2	622
SEP		2.9	42.7			.3	42.7	50.3	35.2			56.1	629
OCT		.6	35.5		.2	.6	55.5	59.4	36.[illegible]			62.4	65[illegible]
NOV		.2	73.8		3.6	.9	74.6	55.7	27.5			57.6	637
DEC		.3	74.4	.8	16.0	.2	80.0	60.7	28.2			64.6	664
TOTALS		1.5	55.4	.2	5.4	1.[illegible]	56.9	42.4	23.6	.2		46.1	7562

USAFETAC FORM 0-10 5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, tracer, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

2 [illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

[illegible] STATION — [illegible] STATION NAME — 19[illegible]-[illegible] YEARS

PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES) MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible].5	[illegible].9	[illegible].4	1[illegible].5	[illegible].2	15.9	14.1	[illegible].4	[illegible].8					6[illegible].5	678	[illegible]	10.34	1.[illegible]
FEB	[illegible].9	[illegible].2	[illegible].7	[illegible].8	[illegible].6	15.3	12.5	7.4	1.9					59.3	6[illegible]2	4.51	[illegible]	[illegible]
MAR	[illegible].1	[illegible].3	[illegible]	1[illegible].7	[illegible].7	13.9	10.7	6.2	.4					54.5	682	3.79	7.[illegible]2	.44
APR	[illegible].1	[illegible]	4.1	[illegible].9	7.9	12.3	9.1	3.5	1.7					47.2	69[illegible]	[illegible].51	4.5[illegible]	[illegible]
MAY	[illegible].1	[illegible].2	3.5	[illegible].8	[illegible].1	8.3	5.2	2.1	.7					34.[illegible]	713	1.74	4.23	.53
JUN	[illegible].7	[illegible].1	2.2	7.2	3.5	6.7	4.6	2.3	.4					36.[illegible]	720	1.[illegible]	3.79	[illegible]
JUL	3.[illegible]	11.2	1.4	4.5	2.[illegible]	3.[illegible]	1.6	1.1	.3					1[illegible].2	735	.61	1.[illegible]	[illegible]
AUG	16.[illegible]	11.3	1.9	6.3	[illegible].1	4.3	2.7	2.1	.9					21.9	[illegible]5	1.30	4.97	TRACE
SEP	[illegible].7	[illegible].7	1.9	5.7	4.3	7.7	5.3	3.3	.4					29.4	6[illegible]0	2.15	6.44	[illegible]
OCT	45.1	11.1	3.5	9.3	4.4	11.2	7.[illegible]	[illegible].1	1.7	.1				41.6	712	2.90	7.70	.29
NOV	[illegible].1	10.1	3.9	11.0	[illegible].1	14.1	11.4	6.[illegible]	3.3	.1				61.[illegible]	69[illegible]	5.35	11.35	1.[illegible]
DEC	2.4	1[illegible].4	3.2	11.7	[illegible].2	16.3	14.2	10.3	3.5					67.4	652	5.33	1[illegible].7[illegible]	[illegible]
ANNUAL	4[illegible].5	11.2	2.9	8.8	6.3	1[illegible].8	9.2	5.[illegible]	1.3	.1				43.2	8319	39.1[illegible]		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible]

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]				.11	.54	.76	.74	.63	[illegible]	[illegible]	.3[illegible]	[illegible]	
[illegible]	.77	1.53	.79	1.22	.56	[illegible]	[illegible]						
						.72	TRACE	.50	.23	1.31	1.67	[illegible]	
[illegible]	.[illegible]	1.53	.58	[illegible]	.69	.47	.66	.51	.39	.6[illegible]	1.1[illegible]	[illegible]	1.[illegible]
[illegible]	.[illegible]	.53	.45	.90	.7[illegible]	.36	.11	.5[illegible]	.62	1.7[illegible]	2.97	[illegible]	.6[illegible]
[illegible]	1.23	1.47	.73	.75	.47	.25	.61	.77	.47	.72	.8[illegible]	[illegible]	1.[illegible]
[illegible]	1.2[illegible]	.26	.49	.29	.3[illegible]	.82	.42	.43	1.51	.30	1.19	1.[illegible]	[illegible]
[illegible]	1.[illegible]	.24	.22	1.57	.39	.71	.41	.3[illegible]	.22	.56	.91	1.1[illegible]	1.[illegible]
6	.[illegible]	.51	.59	1.7[illegible]	1.72	.41	.60	.11	.91	.82	1.35	[illegible]	1.[illegible]
6	1.[illegible]	.[illegible]3	.40	.66	.22	1.13	.16	TRACE	.50*	1.23	.72	.35	1.[illegible]
6	.[illegible]	1.16	1.43	.87	.83	1.46	.20*	1.30	.72	.61	.87	[illegible]	1.[illegible]
6	.[illegible]	1.32	.42	.46	.67	.4[illegible]	.10	.[illegible]	.62	.72	1.25	.59	1.[illegible]
[illegible]	1.3[illegible]	1.35	.89	1.12	.31	.6[illegible]	.13	.1[illegible]	.6[illegible]	.66	.94	[illegible]	[illegible]
[illegible]	1.[illegible]	.64	1.24	.33	.59	.93	.34	.41	.72	1.[illegible]	.51	.94	.[illegible]
[illegible]	1.71	1.53	[illegible]	.65	.46	.70	.30	.35	1.[illegible]	.1[illegible]	.59	1.89	.[illegible]
[illegible]	.[illegible]	.39	.66	1.[illegible]	.59	.9[illegible]	.0[illegible]	.25	.61	1.52	1.12	.[illegible]	1.[illegible]
[illegible]	1.41	.95	.56	.8[illegible]	.4[illegible]	.6[illegible]	.5[illegible]	.[illegible]	.45	.76	1.12	.[illegible]	1.[illegible]
[illegible]	1.[illegible]2	1.08	.89	1.22	.56	.35	.17	1.17	.71	.36	.92	[illegible]	.[illegible]
[illegible]	1.7[illegible]	.81	.7[illegible]	.38	.63	.43	.96	1.16	.87	.74	.30	.7[illegible]	1.[illegible]
[illegible]7	.2[illegible]	.67	.79	.23	1.2[illegible]	.5[illegible]	.21	1.63	.75	.42	1.25	[illegible]	1.[illegible]
7	.[illegible]	.59	.51	.9[illegible]	.7[illegible]	.41	.66	.76	1.52	.19	1.35	.7[illegible]	.[illegible]
7	.5[illegible]	1.96	.49	.46	.51	.37	1.31	.7[illegible]	.74	.82	.71	1.[illegible]	1.[illegible]
[illegible]	.48	.68	.59	1.11	.57	.79	.16	.74	.47	.67	1.55*	1.3[illegible]	1.[illegible]
	.7[illegible]	1.17	.89	.58	.30	1.41	.50	.32	.80	2.71	1.20*	1.14	.7[illegible]
MEAN	1.[illegible]3	1.23	.759	.736	.254	.6[illegible]6	.451	.519	.463	.463	1.77	[illegible]	1.231
S.D.	.435	.477	.419	.367	.239	.314	.367	.412	.396	.54[illegible]	.489	[illegible]	.7[illegible]
TOTAL OBS.	67	622	6[illegible]2	603	713	7[illegible]	735	705	69	71[illegible]	[illegible]	5[illegible]	7[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

[illegible] METEOROLOGY BRANCH
[illegible]
[illegible] SERVICE/MAC

EXTREME VALUES

MONTHLY [illegible]

FROM DAILY OBSERVATIONS

STATION: [illegible] BY FORT LEWIS [illegible]
STATION NAME
YEARS: [illegible] 6 [illegible]

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]				[illegible]	[illegible]	1.27	1.33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	0.66	[illegible]	[illegible]	1.[illegible]	[illegible]	[illegible]						
[illegible]						.87	TRACE	[illegible]	.71	4.67	[illegible]	[illegible]	
[illegible]	[illegible]	2.91	[illegible]	[illegible]	2.87	1.11	.75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2.11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.13	[illegible]	11.[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4.35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.21	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1.[illegible]	1.41	[illegible]	1.43	[illegible]	3.79	[illegible]	[illegible]	[illegible]	1.21	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	7.99	[illegible]	[illegible]	[illegible]	[illegible]	.64	[illegible]	[illegible]	2.64	4.37	[illegible]	[illegible]
[illegible]	[illegible]	1.97	[illegible]	[illegible]	1.63	[illegible]	1.39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	5.75	[illegible]	[illegible]	[illegible]	[illegible]	1.57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1.44	[illegible]	[illegible]	.94	.24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3.57	[illegible]	[illegible]	[illegible]	[illegible]	.53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.37	[illegible]	1.67	[illegible]	3.22	[illegible]	[illegible]	[illegible]	[illegible]	7.70	[illegible]	[illegible]
[illegible]	[illegible]	4.42	[illegible]	[illegible]	[illegible]	1.89	1.91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	7.27	5.69	[illegible]	[illegible]	[illegible]	[illegible]	.27	4.89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	6.44	5.18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	6.[illegible]	5.52	3.84	3.95	1.32	2.5[illegible]	.39	.37	1.99	1.35	[illegible]	[illegible]	[illegible]
[illegible]	2.5[illegible]	6.59	[illegible]	[illegible]	[illegible]	3.7[illegible]	.77	[illegible]	[illegible]	5.6[illegible]	[illegible]	[illegible]	[illegible]
MEAN	5.7[illegible]	4.506	3.7[illegible]	2.613	1.743	1.614	.814	1.322	2.25	[illegible]	5.345	[illegible]	3[illegible]
S.D.	[illegible]	2.243	[illegible]	1.134	.816	[illegible]	.563	[illegible]	1.54[illegible]	1.573	2.476	[illegible]	[illegible]
TOTAL OBS.	67	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	59	[illegible]	[illegible]	[illegible]	[illegible]

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0 88 5 (OLA)

2 [illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] OF WIC/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
[illegible]
(FROM DAILY OBSERVATIONS)

[illegible] STATION — [illegible] AAF/FT LEWIS WA STATION NAME — [illegible]-81 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	[illegible]	11.7	2.2	2.2	[illegible]	1.4	[illegible]	[illegible]	.7					[illegible]	547	4.7	[illegible]	.
FEB	.7	7.3	.7	.5	.2		.7	.2						1.[illegible]	5[illegible]3	.9	[illegible]	.
MAR	[illegible]	6.4	.9	1.4		.7			.7					[illegible]	651	1.3	11.[illegible]	.
APR	[illegible]	4.5													[illegible]	TRACE	TRACE	.
MAY	9.[illegible]	.3													[illegible]	TRACE	TRACE	.[illegible]
JUN	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
JUL	[illegible]														[illegible]	[illegible]	.	[illegible]
AUG	[illegible]														[illegible]	[illegible]	.	[illegible]
SEP	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
OCT	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
NOV	[illegible]	2.4	.6	.5		.3		.3						1.7	[illegible]	.9	[illegible]	.3
DEC	[illegible]	11.	2.2	[illegible]	1.3	.7	.1	.1						6.5	674	2.4	14.[illegible]	[illegible]
ANNUAL	94.5	7.7	.5	.6	.3	.2	.1	.1	.7					1.0	7871	17.2		

1210 WS FORM JUL 64 0-15-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
AF ETAC
[illegible] WEATHER SERVICE/MAC

EXTREME VALUES

[illegible]

FROM DAILY OBSERVATIONS

STATION [illegible] STATION NAME [illegible] YEARS

[illegible] AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]	[illegible]	1.5	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	TRACE	[illegible]	1.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]
5	[illegible]	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.2	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
77	TRACE	[illegible]	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
7	[illegible]	TRACE	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	TRACE	[illegible]	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4.4	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1.	TRACE	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	TRACE	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	1.447	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTE: TRACE IS LESS THAN .01 INCH

USAF ETAC FORM JUL 64 0-88 5 (OLA)

EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	.4	1.5	TRACE	TRACE	TRACE								
	TRACE	.1	2.3	.1							TRACE		
	1.0	.3	TRACE	TRACE	.4						TRACE		
	.1	TRACE	1.1									1.3	
	3.4	TRACE	TRACE										
		1.3	11.5	.1							TRACE	TRACE	
	.1	TRACE	TRACE	TRACE									
	1.2		.3	TRACE									
	2.7	TRACE	TRACE										
	.1	.1		TRACE									
	2.1	.2	.2	TRACE									
	1.3	TRACE	.7	TRACE							TRACE		
	.4	.3		.1									
	.1	TRACE	TRACE	TRACE	TRACE								
	.1	TRACE	TRACE	TRACE*									
	.1	1.5	.1	TRACE									
	TRACE	.1	1.2	.1	TRACE								
	.1	TRACE	.7	TRACE	TRACE								
	TRACE	.3	.1	TRACE									
	1.2	.2	1.1	TRACE									
	.1	1.3	TRACE	TRACE	TRACE							TRACE	
MEAN	.4	.90	1.2	TRACE	TRACE	.00	.00	.00	.00	.00	.88	2.[illegible]	.[illegible]
S.D.	.45	2.48	3.48	.000	.000	.000	.000	.000	.000	.00	2.37	4.797	1.[illegible]
TOTAL OBS.	147	593	591	672	55	662	662	672	66[illegible]	662	660	67[illegible]	7[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 84 0-88-5 (OLA)

2 [illegible] CLIMATOLOGY BRANCH
[illegible]
A[illegible] SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF [illegible]
(FROM DAILY OBSERVATIONS)

[illegible] 72 — STATION
[illegible] AAF/FT [illegible] — STATION NAME
3-4[illegible], 62-81 — YEARS

PRECIP	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 1.00	1.01 2.50	2.51 5.00	5.01 10.00	10.01 20.00	OVER 20.00	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES) MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	8[illegible]	2.1	3.3	1.2	.7	1.2	1.4	.3						[illegible].3	6[illegible]7			
FEB	6.1	[illegible]	.4	.2	.3	1.3								[illegible].4	6[illegible]			
MAR	[illegible]	.4	.1	.1	.4	.1								[illegible].1	6[illegible]2			
APR	[illegible].1														6[illegible]1			
MAY	[illegible].1														7[illegible]			
JUN	[illegible].1														[illegible]			
JUL	[illegible].1														[illegible]			
AUG	[illegible].1														713			
SEP	[illegible].1														6[illegible]			
OCT	[illegible].1														7[illegible]			
NOV	[illegible].1	1.3	.3	.3	.3	.9	.1	.1						[illegible].1	6[illegible]			
DEC	[illegible].1	1.6	1.6	1.1	.3	1.0	.4							[illegible]	7[illegible]			
ANNUAL	[illegible].1	.6	.5	.2	.2	.4	.2	.1						1.6	9348			

1210 WS FORM JUL 64 0-15-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
		TRACE											
		TRACE											
			TRACE										
	TRACE		TRACE								TRACE	TRACE	
			TRACE										
	TRACE												
	TRACE	TRACE											
MEAN													
S D		1.875	1.405										
TOTAL OBS.		522			713	720	735	713		71			

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88 5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

C

*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION [illegible] STATION NAME 62-81 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
						[illegible]	[illegible]	[illegible]	4[illegible]S*	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24S*	[illegible]	2727	1718/	2011/	241[illegible]/	2212/	[illegible]	[illegible]
[illegible]	2124/	2519/	3613/	2127/	2422/	1[illegible]21/	1523/	2513/	2623/	2621/	3117/	4[illegible]	17/
22/	[illegible]	3014/	3625/	2121/	2122/	2425/	1[illegible]2/	1624/	2219/	2617/	3119/	[illegible]	17/
21/	[illegible]	3719/	4320/	2622/	4221/	2124/	2[illegible]18/	2217/	2524/	2126/	3221/	[illegible]	1[illegible]/
[illegible]	4[illegible]	3872/	3421/	2222/	1722/	12[illegible]2/	14[illegible]1/	1235/	28[illegible]3/	1929/	182[illegible]/	[illegible]	[illegible]
1[illegible]/	4124/	2211/	2324/	2424/	2325/	2533/	1922/	2122/	2423*	2426/	3722/	41	1[illegible]/
[illegible]	2144/	3019/	2228/	2923/	2924/	2317/	1724/	2123/	1429/	14[illegible]/	3621/	[illegible]	[illegible]
[illegible]	4327/	3776/	2225/	2119/	2474/	1476/	1619/	3124/	3718/	3[illegible]/	3124/	44	[illegible] 44
2[illegible]/	2419/	4134/	3725/	3627/	3523/	2222/	2226/	2125/	2521/	2121/	231[illegible]/	[illegible]	17/
1/	2[illegible]22/	3714/	3924/	2517/	212[illegible]/	2230/	1912/	2027/	2022/	2224/	3134/	34	17/
[illegible]	3114/	2914/	2721/	2724/	2326/	2227/	1615/	2223/	2124/	[illegible]	3519/	3[illegible]	[illegible]
1/	2422/	4919/	2017/	3424/	2325/	2424/	2179	1524/	[illegible]	3123/	[illegible]	[illegible]	[illegible]
[illegible]	3327/	1522/	3522/	2728/	1925/	2412/	1324/	2219/	2517/	2423/	72[illegible]	[illegible]	17/
	2223/	4111/	2426/	2227/	1727/	2124/	2623/	1513/	2524/	2517/	2017	3[illegible]	17/
MEAN	[illegible]	23.9	23.3	[illegible]	25.7	21.2	18.9	22.9	25.9	2[illegible].6	2[illegible].4	22.[illegible]	23.5
S.D.	[illegible]	6.866	5.757	3.87[illegible]	7.176	3.291	2.264	3.516	[illegible].657	5.55[illegible]	[illegible].[illegible]14	4.14[illegible]	[illegible]
TOTAL OBS.	4[illegible]	336	431	443	463	440	493	472	479	456	444	45[illegible]	[illegible]7

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

\# (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] GRAY AAF/FT LEWIS WA — STATION NAME
YEARS: 73-81
MONTH: JUL
CLASS: ALL WEATHER
HOURS: [illegible]
CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.6	.1									.1	4.[illegible]
NNE	.5	1.1	.1	.2								[illegible]	[illegible]
NE	1.2	.5	.4	.4								[illegible]	[illegible]
ENE	.5	.1		.1								.7	4.[illegible]
E	1.3	.4										[illegible]	[illegible]
ESE	.3	.1	.1									[illegible]	[illegible]
SE	.3	.6	.1									[illegible]	7.4
SSE	1.7	1.5	.5	.4								[illegible]	4.[illegible]
S	3.6	4.9	3.9	1.8	.1							14.7	[illegible]
SSW	.3	1.6	4.3	2.2	.5							[illegible]	8.9
SW	.4		1.2	.2	.1							[illegible]	[illegible]
WSW		.5	.1	.1								[illegible]	7.3
W	.4											.4	[illegible]
WNW	.3											.1	[illegible]
NW	.3											.4	[illegible]
NNW	.3	.2										.7	[illegible].3
VARBL													
CALM												[illegible]	
	1[illegible]	12.3	10.8	5.5	.7							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS [illegible]27

USAFETAC FORM JUL 84 0-8-5 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AAF/FT LEWIS WA — STATION NAME — 77-81 — YEARS — JAN — MONTH

ALL WEATHER — CLASS — [illegible] — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.2										.7	[illegible]
NNE	.2	.6	.4	.1								1.3	4.7
NE	1.[illegible]	.7	.4	.2	.1							2.4	6.[illegible]
ENE	.2	.1	.1									1.2	3.1
E	.4											.4	2.[illegible]
ESE	.2		.1									.3	7.[illegible]
SE	1.[illegible]	.4										1.3	2.[illegible]
SSE	.1	1.2	.2									2.5	3.5
S	.2	5.[illegible]	4.[illegible]	1.8	.1							17.2	5.[illegible]
SSW	.7	1.[illegible]	4.6	1.5	.1	.1						8.8	[illegible].7
SW	.2		.4		.1	.1						.3	1.[illegible]
WSW	.1	.4	.1		.2							.2	9.4
W	.2	.1	.1	.1	.1							.7	8.7
WNW	.4	.2										.5	3.2
NW	.1											.1	1.[illegible]
NNW	.4											.4	2.3
VARBL													
CALM												18.5	
	14.5	11.2	1[illegible].0	3.8	.9	.2						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible]

2

CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JAN

CLASS: ALL WEATHER

HOURS LST: [illegible]

CONDITION:

SPEED KNTS / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.1	.1									.4	4.3
NNE	1.0	.6	.4	.1								2.1	4.7
NE	1.2	1.1	.2	.1								2.7	4.2
ENE	.4	.2		.4								1.0	4.6
E	1.5	.1	.1									1.2	2.6
ESE	.4	.2										.7	2.5
SE	.7	.6	.1									1.5	3.3
SSE	2.4	1.5	.6									4.3	3.6
S	5.7	5.1	4.4	1.8	.2							17.3	5.9
SSW	1.2	1.7	5.1	1.9	.1							9.0	6.6
SW	.7		.2	.4								1.3	6.3
WSW	.3		.3	.1								.7	5.6
W	.4	.2										.6	3.2
WNW	.4		.1									.5	3.3
NW	.2	.1										.4	3.3
NNW	.1	.1										.2	3.5
VARBL													
CALM												54.6	
	16.2	11.6	11.7	4.9	.4							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 802

USAFETAC FORM JUL 64 [illegible] PREV EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: [illegible] AAF/FT LEWIS WA
STATION NAME

YEARS: 73-81

MONTH: JAN

CLASS: ALL WEATHER

HOURS (LST): 900-1100

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.0	3.4
NNE	1.3	.6	.6	.2								2.8	5.0
NE	1.5	1.2	.4	.1	.5							3.2	6.6
ENE	1.2	.7										1.9	3.1
E	.7	.1	.1									1.0	3.1
ESE	.5	.4	.4									1.2	5.3
SE	1.5	.2	.2									1.9	2.9
SSE	1.9	1.9	.2	.5								4.6	4.8
S	4.4	5.5	4.1	2.6	.1							16.7	6.4
SSW	1.5	1.1	5.4	2.1								[illegible]	8.4
SW	.9	.9	1.2	.2								3.2	6.5
WSW	.2	.1	.1									.5	5.0
W	1.1	.4		.1	.1							1.7	4.6
WNW	.5											.5	2.0
NW	.1											.1	2.0
NNW	.4											.4	1.7
VARBL													
CALM												49.4	
	15.1	13.4	12.8	5.8	.5							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 572

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
7[illegible]	GRAY AAF/FT LEWIS WA	73-81	JAN

CLASS: ALL WEATHER

HOURS (L S T): 1200-1400

CONDITION:

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	.4									2.5	3.6
NNE	2.7	2.7	1.5	.4	.1							7.3	4.9
NE	2.7	2.2	.7	1.0	.1							6.7	5.5
ENE	1.5	.2	.5	.2								2.4	4.6
E	.5	.1										.6	2.5
ESE	.4	.1	.1	.1								1.2	4.4
SE	.6	.2	.2									1.1	4.3
SSE	.7	.2	.6	.1								1.7	6.2
S	5.1	2.7	4.7	3.2	.2							15.8	6.9
SSW	1.0	3.3	5.2	3.5	.5							13.5	9.2
SW	1.0	1.7	2.2	.7								5.6	6.9
WSW	.9	.6		.2								1.7	4.6
W	1.1	.2	.4	.1								1.8	4.1
WNW	.7	.7	.2									1.7	4.3
NW	1.1	.6										1.7	2.9
NNW	1.0	.2										1.2	2.5
VARBL													
CALM												23.0	
	22.9	16.8	16.8	9.6	1.0							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 822

USAFETAC FORM JUL 84 1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
77-81 — YEARS
JAN — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (LST)
CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.5	.9									4.6	3.3
NNE	2.7	3.3	1.6	.1								7.7	4.7
NE	1.6	2.1	1.1	.4	.2							5.4	5.9
ENE	.9	.4										1.2	3.1
E	1.1	.1										1.2	1.9
ESE	.9	.2										1.1	2.6
SE	.9	.1										1.0	2.4
SSE	.7	.4	.6	.1								1.8	5.5
S	2.6	2.8	4.5	2.4	.5							12.3	7.9
SSW	1.3	4.1	4.0	3.6	.5	.1						13.7	8.6
SW	1.[illegible]	1.2	1.7	.6								4.5	6.8
WSW	.4	.5	.1	.4								1.3	6.6
W	1.7	.6	.4									2.3	4.0
WNW	.4	.6	.4									1.3	4.7
NW	1.0											1.0	2.1
NNW	1.7	.4										2.1	2.4
VARBL													
CALM												37.0	
	20.6	18.2	15.2	7.7	1.2	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 822

USAFETAC FORM JUL 64 [illegible] OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

JAN — MONTH

ALL WEATHER — CLASS

1800-2000 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	.5	.2									1.9	3.6
NNE	.6	1.7	.5									2.8	4.8
NE	.9	1.1	.7	.1	.1							2.9	5.5
ENE	.9	.4	.1		.1							1.5	4.3
E	.7											.7	1.3
ESE	.6											.6	1.3
SE	1.1	.2										1.3	2.4
SSE	1.2	1.9	.1	.1								3.4	4.4
S	7.4	4.7	3.9	1.9	.2							14.2	6.6
SSW	.4	2.6	3.6	2.4	.2	.1						9.4	9.0
SW	.1	.5	1.2	.9								2.7	9.5
WSW	.1	.1	.1	.2								.6	8.4
W	.7	.2	.2									1.2	4.0
WNW	.5	.1										.6	2.4
NW	.5											.5	2.0
NNW	.4											.4	2.7
VARBL													
CALM												55.2	
	13.3	14.1	10.8	5.7	.7	.1						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 822

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

/

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

74270 GRAY AAF/FT LEWIS WA — STATION / STATION NAME

77-81 — YEARS

JAN — MONTH

ALL WEATHER — CLASS

2100-2300 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.4										.6	4.2
NNE	1.3	.2	.2									1.8	3.1
NE	.9	1.6	.5	.4	.1							3.4	6.4
ENE	.9	.4										1.2	2.7
E	1.0	.2										1.2	2.2
ESE	.4		.1									.5	4.3
SE	1.5	.5	.1	.1								2.2	3.5
SSE	2.6	1.7	.2									4.5	3.4
S	2.8	5.2	4.1	1.7	.1	.1						13.9	6.8
SSW	1.1	2.7	3.6	1.6								9.0	7.8
SW	.1	.1	.9	1.0								2.1	10.2
WSW	.1		.2		.1							.5	9.3
W	.9		.1									1.0	3.0
WNW	.5											.5	2.0
NW	.1											.1	2.0
NNW													
VARBL													
CALM												57.5	
	14.2	12.8	10.2	4.7	.4	.1						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 822

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JAN

CLASS: ALL WEATHER

HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.6	.2									1.7	3.7
NNE	1.4	1.4	.7	.2	.0							3.5	4.7
NE	1.4	1.3	.5	.3	.1							3.6	5.6
ENE	.9	.3	.1	.1	.0							1.4	4.0
E	.5	.1	.0									1.0	2.3
ESE	.6	.1	.1	.0								.9	3.5
SE	1.0	.4	.1	.0								1.5	3.2
SSE	1.7	1.3	.4	.2								3.5	4.3
S	4.1	4.5	4.2	2.2	.2	.0						15.3	6.5
SSW	1.0	2.3	4.5	2.4	.2	.0						10.4	8.7
SW	.5	.5	1.1	.5	.0	.0						2.3	7.7
WSW	.3	.2	.1	.1	.0							.9	6.6
W	.8	.2	.2	.0	.0							1.2	4.3
WNW	.4	.2	.1									.7	3.5
NW	.4	.1										.5	2.5
NNW	.5	.1										.7	2.6
VARBL													
CALM												30.4	
	16.6	13.8	12.4	6.0	.7	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 6577

USAFETAC FORM JUL 68 0-8-5 OLETE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
727070	GRAY AAF/FT LEWIS WA	73-81	FEB

CLASS: ALL WEATHER

HOURS (L S T): 0000-0200

CONDITION:

SPEED (KNTS) / DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.1		.3								.5	9.0
NNE	.4	.9	.3									1.6	4.7
NE	1.4	.9	.3									2.6	3.6
ENE	.4											.4	1.3
E	.4	.3										.7	3.0
ESE	1.0	.9										2.0	3.3
SE	1.6	.8										2.4	2.6
SSE	2.1	1.4	.5									4.1	3.9
S	4.7	5.4	5.9	2.5	.1	.3						18.9	6.7
SSW	1.6	2.8	3.4	.9	.1							8.8	6.9
SW	.5	.7	.8	.4								2.4	6.9
WSW	.3		.3	.4								.9	9.4
W	.5	.1	.1		.1							.9	6.3
WNW	.3	.1										.4	2.7
NW	.3											.3	2.0
NNW	.1	.1										.3	3.0
VARBL													
CALM												53.0	
	15.7	14.6	11.5	4.5	.4	.3						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM JUL 64 0945 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	FEB

CLASS: ALL WEATHER

HOURS (LST): 0300-0500

CONDITION:

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.1	.4									1.3	4.2
NNE	.4	.7	.3									1.3	4.6
NE	1.2	.5	.4	.1								2.2	4.2
ENE	.5	.1										.7	3.0
E	.8		.1									.9	2.6
ESE	.7	.3	.1									1.0	3.4
SE	1.0	.9										2.0	3.4
SSE	2.1	2.2	.5									4.9	4.0
S	8.1	7.2	5.2	1.8	.1	.1						19.7	6.1
SSW	1.2	1.7	3.3	2.0	.3							8.4	8.4
SW	.4	.7	1.7	.5								3.3	7.8
WSW	.1	.4	.3			.1						.9	8.3
W	.3	.3	.1									.7	4.8
WNW	.1	.1										.3	3.0
NW	.1											.1	2.0
NNW													
VARBL													
CALM												52.4	
	14.8	15.2	12.5	4.5	.4	.3						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: [illegible] AAF/FT LEWIS WA — STATION NAME
YEARS: 73-81
MONTH: FEB
CLASS: ALL WEATHER
HOURS (LST): [illegible]
CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.1	.3									.8	4.7
NNE	1.2	.8	.5									2.4	4.4
NE	1.2	.9										2.1	3.5
ENE	.5											.5	2.2
E	.3											.9	1.9
ESE	.7											.7	1.8
SE	.9	1.2	.1									2.2	3.5
SSE	2.2	2.5	.4	.4								5.5	4.3
S	6.3	5.6	6.2	1.8								19.9	5.7
SSW	1.6	1.4	5.4	2.2	.1							10.5	8.0
SW	.3	.4	1.4	1.0								3.1	6.8
WSW		.1		.1								.3	9.0
W	.3	.3		.3								.8	6.3
WNW		.1										.1	4.0
NW	.4	.1										.5	3.0
NNW	.1	.1										.3	3.0
VARBL													
CALM												49.3	
	16.8	13.8	14.3	5.6	.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

74[illegible] [illegible]AY AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

FEB — MONTH

ALL WEATHER — CLASS

[illegible]-11[illegible] — HOURS LST

CONDITION

SPEED KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	.7	.4	.3								2.6	4.9
NNE	[illegible]	.7	.7									2.3	3.8
NE	3.[illegible]	1.[illegible]	.4									4.5	[illegible]
ENE	.[illegible]	.1										.9	2.6
E	.9	.1										1.[illegible]	2.[illegible]
ESE	.1	.[illegible]										.9	4.3
SE	1.2	.5	.3									2.0	3.3
SSE	1.0	1.2	1.6	.1								3.9	5.7
S	3.8	3.4	7.5	3.1	.3							18.1	7.4
SSW	.8	2.4	5.4	4.1	.3							12.9	9.[illegible]
SW	1.4	.5	2.8	.9								5.6	7.4
WSW	.4	.1	.1	.3								.9	6.1
W	.9	.4	.3	.4								1.8	5.7
WNW	.[illegible]	.[illegible]	.1									.7	3.3
NW	1.[illegible]	.3										1.6	2.5
NNW	.9											.9	1.9
VARBL													
CALM												38.5	
	1[illegible].9	12.5	19.4	9.2	.5							100.0	[illegible].9

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM [illegible] JUL 64 PREV. EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] AL CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATH - SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: [illegible] AAF/FT LEWIS WA — STATION NAME
YEARS: 77-81
MONTH: FEB
CLASS: ALL WEATHER
HOURS LST: 1[illegible]-1[illegible]
CONDITION

WIND DIRECTION	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.[illegible]	[illegible]	.4	.1								4.5	4.1
NNE	[illegible]	[illegible]	[illegible]	.1								7.5	4.9
NE	.[illegible]	2.[illegible]	1.2									5.9	4.3
ENE	.[illegible]	.1										.8	2.[illegible]
E	.[illegible]	.4										1.3	2.[illegible]
ESE	.[illegible]	.[illegible]	.1									[illegible]	3.6
SE	.[illegible]	.[illegible]										1.3	3.5
SSE	.[illegible]	.[illegible]	.[illegible]	.[illegible]								2.4	6.5
S	1.[illegible]	[illegible]	4.[illegible]	[illegible]	.[illegible]							15.4	9.6
SSW	1.[illegible]	[illegible]	[illegible].5	[illegible].9	.[illegible]							17.1	8.9
SW	.[illegible]	2.[illegible]	[illegible].7	1.2		.[illegible]						7.1	8.1
WSW	.[illegible]	.4	.6	.7								2.4	5.6
W	.	1.[illegible]	1.[illegible]	.7		.1						4.2	6.9
WNW	.	.[illegible]										1.9	3.1
NW	.	2.[illegible]	.1	.1								4.3	4.[illegible]
NNW	.	2.1	.1	.1								3.4	4.[illegible]
VARBL													
CLM												18.8	
	[illegible].1	24.5	[illegible]1.9	1[illegible].4	1.[illegible]	.[illegible]						1[illegible].3	5.6

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM [illegible]

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2

CENTRAL CLIMATOLOGY BRANCH
CARETAKER
NATIONAL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

94 77 — STATION: GRAY AAF/FT LEWIS WA — STATION NAME: 77-81 — YEARS: FEB — MONTH

ALL WEATHER — CLASS: 1500-1700 — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.[illegible]	.4	.3								[illegible]	4.2
NNE	2.5	4.1	2.1	.1								[illegible]	[illegible]
NE	[illegible]	2.1	1.4									5.5	[illegible]
ENE	.7	.1	.1									.9	[illegible]
E	.5	.5										1.0	3.4
ESE	1.2	.4	.3	.1								[illegible]	[illegible]
SE	1.7	.[illegible]	.1									1.8	2.9
SSE	1.6	.[illegible]	.1									2.5	3.2
S	1.7	3.1	5.5	7.9	.4							14.6	8.5
SSW	.3	2.4	5.1	3.4								11.7	8.5
SW	.2	2.7	2.5	.9								6.6	5.9
WSW	.7	.9	2.2	.9	.1							4.[illegible]	5.1
W	.5	.3	.4	.3								2.4	[illegible]
WNW	.[illegible]	.3										1.7	3.6
NW	2.4	1.7	.1									4.7	3.4
NNW	2.1	1.4	.3									3.9	3.4
VARBL													
CALM												21.5	
	22.4	24.0	27.7	9.8	.5							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 762

2

GLOBAL CLIMATOLOGY BRANCH
USCOMC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] BAF/FT LEWIS WA	77-81	FEB

CLASS: ALL WEATHER

HOURS (LST): 1500-2600

CONDITION:

SPEED KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.7	.4									2.1	3.9
NNE	.2	1.6	.9	.3								3.1	5.3
NE	.7	1.[illegible]	.1									1.3	4.5
ENE	.[illegible]	.1	.1									.3	3.[illegible]
E	.3											.3	1.3
ESE	.8	.5										1.4	3.[illegible]
SE	1.[illegible]	.9	.4	.4								2.8	5.3
SSE	1.1	2.1	.1									4.3	3.5
S	7.5	8.4	4.3	2.6	.3							13.2	6.6
SSW	1.6	2.9	3.5	1.4								9.4	7.[illegible]
SW	.4	.9	1.0	.7								2.6	6.8
WSW	.5	.4	.4									1.3	5.9
W	1.2	.5	.4									2.1	3.9
WNW	.8	.3	.1									.9	4.7
NW	.1	.3										.4	4.[illegible]
NNW	.4	.1										.5	3.3
VARBL													
CALM												45.3	
	15.0	21.0	11.9	5.0	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 742

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] SEP.10./MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AFB/FT LEWIS WA — STATION / STATION NAME

77-81 — YEARS

FE — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.1	.7	.1								.5	5.3
NNE	.3	.9	.3									2.1	3.9
NE	.7	.5										1.4	[illegible]
ENE	.1											.1	2.[illegible]
E	.6											.7	1.7
ESE	.2	.1										1.3	2.[illegible]
SE	2.4	1.0	.1	.1								3.7	1.5
SSE	1.[illegible]	2.[illegible]	.5	.1								5.4	1.[illegible]
S	4.[illegible]	5.6	4.5	2.5								17.2	6.3
SSW	1.2	2.7	3.4	1.8	.1							9.5	7.7
SW	.9	.4	1.7	.7								3.[illegible]	6.[illegible]
WSW		.2			.2							.4	9.2
W	.1	.1				.1						.4	10.3
WNW	.1	.1										.4	3.[illegible]
NW	.7		.1									.4	4.7
NNW	.7											.7	1.5
VARBL													
CALM												57.3	
	17.1	13.8	17.4	5.0	.4	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 762

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE [illegible]

2

CLIMATOLOGY BRANCH
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: AAF/FT LEWIS WA — STATION NAME
YEARS: 73-81
MONTH: FEB
CLASS: ALL WEATHER
HOURS (LST): ALL
CONDITION:

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.9	.3	.1								2.3	4.5
NNE	1.7	1.7	.8	.1								3.3	4.7
NE	1.6	1.2	.5	.0								3.3	4.0
ENE	.5	.1	.0									.6	2.7
E	.7	.2	.0									.9	2.5
ESE	.5	.5	.1	.0								1.4	3.7
SE	1.3	.8	.1	.1								2.3	3.6
SSE	1.8	1.6	.5	.1								4.1	4.2
S	4.0	5.2	5.4	3.0	.2	.0						17.9	7.0
SSW	1.7	2.3	4.8	2.4	.2							11.9	8.0
SW	.7	1.0	1.8	.7		.0						4.2	7.4
WSW	.3	.4	.5	.3	.0	.0						1.5	7.9
W	.5	.5	.3	.2	.0	.0						1.7	5.9
WNW	.4	.3	.2									.8	3.5
NW	.0	.6	.0	.0								1.5	3.5
NNW	.6	.5	.0	.0								1.2	3.4
VARBL													
CALM												41.6	
	17.9	17.5	15.3	7.1	.5	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 4096

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74 [illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

CLASS: ALL WEATHER

HOURS (LST): 0000-2300

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.5	.1									1.0	4.0
NNE	.1	.2	.1									.5	5.0
NE	.6	.4	.1	.1								1.2	4.3
ENE	.6	.1	.1									.8	7.1
E	.3											.3	3.0
ESE	.7		.1									.8	2.9
SE	1.0	.7	.4									2.0	4.0
SSE	.2	2.7	.6	.1								5.7	4.1
S	6.5	8.6	5.5	2.6								23.2	5.9
SSW	1.3	2.7	3.9	.7								8.7	6.7
SW	.2	1.2	2.2	.5								4.1	7.7
WSW	.8		.1	.1								.9	5.0
W	.4											.4	1.7
WNW	.2											.2	2.0
NW													
NNW	.2	.2										.5	4.0
VARBL													
CALM												48.9	
#	16.1	17.6	13.3	4.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 DI-4A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
727377	GRAY AAF/FT LEWIS WA	73-81	MAR

CLASS: ALL WEATHER

HOURS (LST): 0300-0500

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.4	.1									.8	4.1
NNE	.1	.6										.7	3.8
NE	.5	.6										1.1	3.8
ENE	.2	.1										.4	3.[illegible]
E	.1											.1	2.[illegible]
ESE	.7	.1										.8	2.4
SE	1.3	.8	.1									2.3	3.6
SSE	1.6	3.3	.8	.2								6.0	5.0
S	7.4	7.2	5.9	1.3	.2							22.0	5.5
SSW	1.3	3.1	3.9	.6	.1							9.1	6.9
SW	.5	1.1	.8	.4								2.7	6.8
WSW	.2	.2	.2	.1	.1							1.0	8.4
W	.1	.1										.2	3.5
WNW	.1	.2	.1									.5	4.3
NW		.1										.1	5.0
NNW	.1	.1										.2	3.5
VARBL													
CALM												52.0	
	14.7	18.2	12.1	2.6	.5							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM 0-9 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
7[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

CLASS: ALL WEATHER

HOURS (L S T): 0600-0800

CONDITION:

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.4	.1									.6	6.0
NNE	.8	.4	.1									1.3	3.8
NE	1.0	.2										1.2	2.4
ENE	.2											.2	1.5
E	.5	.2	.1									.8	3.4
ESE	1.0	.4	.1									1.4	3.1
SE	1.4	.5	.4	.1								2.4	4.0
SSE	3.3	3.3	.4	.1								7.2	3.7
S	6.8	6.8	5.7	2.2	.1							21.6	6.0
SSW	1.7	2.6	3.9	1.2								9.1	7.3
SW	1.0	.6	.6	.8								3.0	6.8
WSW	.8	.7	.2	.2								1.2	5.8
W	.7	.4										1.1	3.0
WNW	.6		.1									.7	3.0
NW	.4											.4	2.3
NNW	.5		.1									.6	2.8
VARBL													
CALM												47.6	
	19.7	16.0	11.9	4.7	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0865 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
76[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAY

CLASS: ALL WEATHER

HOURS (L S T): 0900-1100

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	.7	.5	.2								3.2	4.2
NNE	1.4	1.8	1.6	.4								5.1	5.9
NE	2.3	1.3	1.3									4.9	4.6
ENE	1.1	.5	.1									1.7	3.3
E	.5	.7										1.2	3.5
ESE	.4	.1										.5	2.8
SE	1.1	.4		.1								1.6	3.5
SSE	1.6	1.4	.7	.2								.9	4.3
S	3.5	4.9	6.6	4.3	.4	.1						19.7	7.7
SSW	2.4	3.7	7.8	2.2	.2							16.2	7.7
SW	1.7	3.1	3.0	.7								8.1	6.4
WSW	1.[illegible]	.3	1.1	.6	.1							3.6	6.9
W	1.8	1.[illegible]	.5	.2								3.5	4.3
WNW	1.1	.6										1.7	3.0
NW	1.1	.4										1.4	2.7
NNW	.6	.2		.1								1.0	4.0
VARBL													
CALM												22.7	
	22.7	21.6	23.1	9.1	.7	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

CLASS: ALL WEATHER

HOURS (LST): 1200-1400

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	3.5	1.1	.5								8.5	4.7
NNE	1.4	2.3	1.8	.4								5.9	6.1
NE	1.3	2.3	1.8	.5								5.9	6.1
ENE	.6	.2	.1	.1								1.1	5.0
E	.2	.4										.6	3.4
ESE	.2	.2										.5	3.3
SE	.4	.7										1.1	3.8
SSE	.5	1.1	1.1	.5								3.2	6.3
S	1.4	2.7	6.2	4.3	.7							15.4	9.2
SSW	1.1	4.2	6.3	3.5	.4							15.4	8.7
SW	.6	2.3	3.5	1.9		.1						8.4	8.5
WSW	1.[illegible]	1.1	1.6	1.6	.1							5.9	7.7
W	1.[illegible]	1.6	1.7	1.3	.4							6.2	7.7
WNW	2.4	2.7	.5	.1								5.7	4.1
NW	1.6	2.2	.2									3.9	3.9
NNW	1.9	1.6	.4	.1								3.9	3.9
VARBL													
CALM												8.5	
	20.1	26.9	26.2	14.7	1.6	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

CLASS	HOURS (LST)
ALL WEATHER	1500-1700

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	2.7	1.4	.4								8.0	4.6
NNE	1.9	3.6	3.0	.5								9.0	5.6
NE	1.4	2.2	1.2	.2								5.0	5.4
ENE	.2	.1										.4	3.7
E	.7	.1										.8	2.3
ESE	.5	.1										.6	3.[illegible]
SE	.7	.2	.1									1.1	3.4
SSE	1.2	.4	1.0	.6								3.1	6.4
S	1.6	3.6	6.1	1.3	.1	.1						12.8	7.5
SSW	1.0	3.7	6.3	1.9	.4							13.3	8.0
SW	1.4	2.4	4.2	2.6	.4							11.0	8.3
WSW	.6	1.8	1.6	2.5	.2							6.7	9.2
W	1.3	2.0	1.2	1.1	.6							6.2	7.6
WNW	1.7	1.8	.5	.2								4.2	4.7
NW	1.6	2.2	.6									4.3	4.2
NNW	2.2	2.2	1.0									5.3	4.4
VARBL													
CALM												8.4	
	21.4	29.[illegible]	28.1	11.4	1.7	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM [illegible] JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
7[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAY

CLASS: ALL WEATHER

HOURS (LST): 1800-2[illegible]

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.2	.2	.1								3.[illegible]	4.[illegible]
NNE	1.7	2.6	1.2	.1								5.6	4.8
NE	1.1	2.5	.6									4.2	4.5
ENE	.6	.5										1.1	3.7
E	.7											.7	1.5
ESE	.6	.3										.8	2.4
SE	.6	.4										1.[illegible]	3.1
SSE	1.1	1.9	1.1	.1								4.2	5.[illegible]
S	3.1	4.9	4.7	1.7	.2							14.6	6.5
SSW	1.2	2.9	4.5	1.2								9.8	7.2
SW	1.2	3.2	3.1	.5	.1							8.1	6.8
WSW	1.2	1.9	2.3	.8	.1							6.3	7.2
W	.8	1.8	1.3	.4	.2							4.5	6.8
WNW	.8	.6	.4									1.8	3.9
NW	1.4	.4	.1									1.9	2.8
NNW	.2											.2	1.5
VARBL													
CALM												32.1	
	17.8	25.[illegible]	19.5	4.9	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 836

USAFETAC FORM JUL 64 5-84 OLDA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	[illegible]

CLASS: ALL WEATHER

HOURS (LST): 2100-2300

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4										.4	4.7
NNE	1.1	.6		.2								1.9	4.6
NE	1.1	.5	.4									1.9	4.0
ENE	.6											.6	2.0
E	.2											.2	1.5
ESE	.5											.5	1.5
SE	1.2	.5	.2									1.9	3.5
SSE	3.7	3.8	1.7									9.2	4.4
S	4.8	7.9	5.5	1.4	.1							19.2	5.9
SSW	1.7	4.3	4.1	1.3								11.4	6.7
SW	.4	1.6	1.9	.4								4.2	5.9
WSW	.5	.5	.4	.2	.1							1.9	5.6
W	.4	.4										.7	3.0
WNW	.2	.6										.8	4.4
NW	.2	.1										.4	3.0
NNW													
VARBL													
CALM												45.8	
	15.8	21.0	13.6	3.6	.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM 0-4 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14,07 — STATION
BAX AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
ALL — HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.2	.4	.1								3.2	4.5
NNE	1.[illegible]	1.5	1.[illegible]	.2								3.[illegible]	5.4
NE	1.2	1.2	.7	.1								3.2	4.9
ENE	.5	.2	.0	.0								.3	3.4
E	.4	.2	.0									.6	2.0
ESE	.6	.1	.0									.7	2.7
SE	1.0	.5	.1	.0								1.7	3.7
SSE	1.7	2.3	.6	.2								5.2	4.7
S	4.4	5.8	5.7	2.4	.2	.0						18.6	6.6
SSW	1.4	3.4	5.1	1.6	.1							11.6	7.5
SW	.3	1.0	2.4	1.0	.1	.0						6.2	7.4
WSW	.8	.3	.9	.8	.1							3.4	7.6
W	.9	.8	.6	.4	.1							2.9	6.5
WNW	.9	.3	.2	.0								2.0	4.1
NW	.3	.7	.1									1.6	3.6
NNW	.7	.5	.2	.0								1.5	4.0
VARBL													
CALM												33.2	
	18.5	22.2	18.5	6.9	.7	.0						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 4895

USAFETAC FORM JUL 64 0-8-5 (O-1-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: [illegible] AY AAF/FT LEWIS WA — STATION NAME
YEARS: 7[illegible]-81
MONTH: AP[illegible]
CLASS: ALL WEATHER
HOURS (LST): 000-[illegible]
CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	[illegible] - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.5											.5	1.5
NE	1.[illegible]	.1	.1									1.2	2.[illegible]
ENE	.2	.1	.1									.5	4.3
E	.4											.4	2.5
ESE	.4	.3	.1									.7	4.2
SE	1.6	.3										1.9	2.0
SSE	4.[illegible]	1.6	.5									5.9	7.1
S	7.2	8.9	4.2	.4								21.6	4.7
SSW	2.8	4.3	2.8	.2								9.9	5.9
SW	.5	1.9	1.1	.4								3.1	6.6
WSW	.5	.4	.2		.1							1.2	5.4
W	.2	.[illegible]		.1								1.5	3.7
WNW	.4	.1										.5	3.0
NW	.1	.2										.4	4.[illegible]
NNW	.4											.4	1.7
VARBL													
CALM												1.4	
	23.5	17.7	9.3	1.1	.1							100.0	2.[illegible]

TOTAL NUMBER OF OBSERVATIONS 81[illegible]

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] STATION: GAY AAF/FT LEWIS WA — STATION NAME: 73-81 — YEARS: APR — MONTH

ALL WEATHER — CLASS: [illegible] — HOURS: DAY

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.[illegible]	.1										.[illegible]	[illegible]
NE		.1	.1									.[illegible]	[illegible]
ENE	.[illegible]	.1										.4	[illegible]
E	.1											.1	[illegible]
ESE	.[illegible]											.[illegible]	[illegible]
SE	.[illegible]	.2										1.2	[illegible]
SSE	4.[illegible]	1.[illegible]	.2									[illegible].3	[illegible]
S	1[illegible].5	[illegible].6	1.7	.6								[illegible]4.[illegible]	4.4
SSW	[illegible]	3.5	2.2	.5								[illegible].1	[illegible]
SW	[illegible].9	.6	1.1	.4								[illegible].1	[illegible]
WSW	.5	.4	.1									1.1	[illegible]
W	.5	.1	.1									.7	[illegible]
WNW	.1	.2										.4	[illegible]
NW	.4											.4	[illegible]
NNW	.[illegible]											.[illegible]	[illegible]
VARBL													
CALM												51.7	
	[illegible]2.1	16.[illegible]	8.6	1.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAFETAC FORM [illegible] [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
AFSTAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: [illegible] STATION NAME: [illegible] YEARS: 73-81 MONTH: APR

CLASS: ALL WEATHER NO. OBSERVATIONS: [illegible]

CONDITION

WIND DIRECTION	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.7	3.5
NNE	.7	1.[illegible]										1.7	3.6
NE	.4	.4	.1									1.2	3.5
ENE	.[illegible]	.1										.4	2.7
E	.2											.2	1.5
ESE	.1											.1	1.5
SE	.2	.4	.1									.7	2.7
SSE	.3	1.7	.5									4.5	3.6
S	[illegible]	7.[illegible]	6.2	1.1								23.3	4.9
SSW	.1	4.[illegible]	3.7	.5								11.2	5.5
SW	.2	2.1	1.7	.5	.1							5.3	5.5
WSW	.6	.7	.4	.2								2.[illegible]	5.9
W	.2	.4	.1	.2								1.5	5.3
WNW	.[illegible]											.5	1.9
NW	.2											.2	1.0
NNW	.4											.4	1.7
VARBL													
CALM												44.[illegible]	
	23.1	15.4	12.3	2.6	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 812

2

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] AAF/FT LEWIS AA — STATION / STATION NAME

73-81 — YEARS

APR — MONTH

ALL WEATHER — CLASS

[illegible]-11[illegible] — HOURS L.S.T.

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.5	.7									5.6	4.3
NNE	.2	3.[illegible]	1.7									6.7	4.9
NE	.2	1.5	1.									4.4	4.3
ENE	.4	1.2										1.4	3.9
E	.[illegible]	.3										.6	3.[illegible]
ESE	.4											.6	2.[illegible]
SE	.5	.3										1.4	2.7
SSE	1.2	.7	.5									2.5	4.1
S	.[illegible]	4.4	6.7	1.5								14.3	7.1
SSW	2.5	3.	7.3	2.1								14.[illegible]	7.4
SW	1.5	3.6	3.5	.7								9.3	6.5
WSW	.[illegible]	1.7	1.6	.5	.4	.1						5.1	8.0
W	.2	2.1	1.5	.5	.1							6.4	5.7
WNW	1.2	1.4	.4									3.5	3.7
NW	1.2	1.4										3.2	3.6
NNW	.5	1.5	.1									3.7	3.6
VARBL													
CALM												16.3	
	2.4	23.8	24.6	5.3	.5	.1						83.0	4.9

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC [illegible] 64 [illegible]

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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	BAY AAF/FT LEWIS WA	77-81	APR

CLASS	HOURS (LST)
ALL WEATHER	1300-1400

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	5.8	1.7	.1								[illegible]	6.1
NNE	[illegible]	2.1	1.4	.2								[illegible]	[illegible]
NE	[illegible]	1.1	1.6	.1								3.4	5.8
ENE	.2	.4	.2									.9	5.0
E	.3	.1										.4	3.3
ESE	.4	.1		.1								.6	[illegible]
SE		.2	.1									.4	[illegible]
SSE	.6	.2	.5	.2								1.6	5.8
S	1.2	3.0	3.0	2.7	.4							10.2	[illegible]
SSW	1.0	3.7	6.2	2.5	.1							13.5	[illegible]
SW	1.1	3.1	4.5	1.9								[illegible]	7.4
WSW	.9	2.2	2.3	1.0	.5							6.9	8.1
W	1.5	2.7	3.0	.9	.5							8.5	7.1
WNW	2.2	2.1	1.0	.2								5.6	4.9
NW	2.2	4.3	.9									7.4	4.3
NNW	2.5	4.2	1.7									7.9	5.0
VARBL													
CALM												5.9	
	18.6	35.4	27.5	10.0	1.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	77-81	APR

CLASS: ALL WEATHER

HOURS (LST): 1500-1700

CONDITION:

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	5.6	2.1									10.3	4.9
NNE	2.6	4.6	2.7	.1								9.[illegible]	5.1
NE	1.4	2.[illegible]	1.4	.2	.1							5.1	6.[illegible]
ENE	.6		.3									.9	4.[illegible]
E	.3											.3	1.9
ESE	.1	.1										.2	3.[illegible]
SE	.3	.1	.1									.5	4.3
SSE	.4	.7	.5									1.6	4.2
S	.5	3.2	3.8	1.0		.1						8.8	7.3
SSW	.6	3.3	2.9	1.2	.1							8.[illegible]	7.6
SW	1.4	4.3	4.1	1.5	.1							11.4	7.2
WSW	1.1	2.[illegible]	3.6	1.6	.2							8.5	8.2
W	1.7	3.3	3.2	2.1	.2							10.6	7.5
WNW	1.0	2.9	2.2	.7								6.8	6.6
NW	1.9	3.[illegible]	1.7	.1								7.5	5.[illegible]
NNW	1.4	3.[illegible]	.7									5.1	4.7
VARBL													
CALM												4.4	
	15.6	38.8	26.5	8.6	.9	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 612

USA ETAC FORM JUL 64 SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — 73-81 — APR

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 1800-2000

CLASS — HOURS (LST)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	.5									6.4	3.7
NNE	3.7	3.7	.5									7.9	3.8
NE	2.7	2.3	.4									5.4	3.7
ENE	.9	.2		.1								1.2	3.0
E	.5	.2										.7	2.7
ESE	.7	.5										1.2	3.2
SE	1.2	.2										1.5	2.5
SSE	1.2	.7										2.0	3.2
S	3.3	4.7	2.3	.6								10.9	5.5
SSW	1.7	4.4	3.7	.5								1[illegible].5	6.0
SW	1.7	3.2	3.5	.5								8.9	6.1
WSW	1.4	3.7	2.2	.6	.2							7.4	6.6
W	1.5	3.7	3.7	.4								9.3	6.4
WNW	.9	1.1	1.5	.1								3.6	6.2
NW	1.2	1.2	.4									2.6	3.8
NNW	1.5	.2	.1									1.9	2.7
VARBL													
CALM												19.5	
	25.4	32.2	18.8	2.8	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 61[illegible]

USAFETAC FORM [illegible] JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
73-81 — YEARS
APR — MONTH
ALL WEATHER — CLASS
2100-2300 — HOURS (L S T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.4										1.1	2.9
NNE	1.4	.2										1.6	2.5
NE	1.[illegible]	.7	.1									1.9	3.[illegible]
ENE	.7											.7	1.7
E	.7											.7	2.[illegible]
ESE	.5	.4	.1									1.[illegible]	3.5
SE	.6	.7	.2									1.9	3.9
SSE	2.9	2.5	.2									5.6	3.8
S	7.8	8.8	3.5									20.0	4.4
SSW	2.5	4.4	2.2	.2								9.4	5.2
SW	2.0	2.5	2.1	.2	.1							6.9	5.7
WSW	1.[illegible]	.6	.5	.2								2.1	4.8
W	1.7	1.1	.1									3.0	3.6
WNW	.2	.9	.2									1.4	5.1
NW	.6		.1									.7	3.0
NNW	.6											.6	1.4
VARBL													
CALM												41.5	
	25.2	23.2	9.3	.7	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
73-81 — YEARS
APR — MONTH
ALL WEATHER — CLASS
ALL — HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	.6	.0								4.3	4.5
NNE	1.6	1.8	.7	.0								4.2	4.5
NE	1.2	1.[illegible]	.6	.0	.0							2.9	4.6
ENE	.4	.2	.1	.0								.8	3.5
E	.4	.1										.5	2.4
ESE	.4	.2	.0	.0								.6	3.3
SE	1.[illegible]	.3	.1									1.4	2.5
SSE	1.2	1.1	.3	.0								3.7	3.5
S	5.1	6.2	4.1	1.0	.0	.0						16.5	5.4
SSW	2.0	3.8	4.0	1.0	.0							10.8	6.5
SW	1.3	2.5	2.6	.8	.0							7.2	6.6
WSW	.8	1.4	1.3	.5	.2	.0						4.3	7.2
W	1.3	1.8	1.5	.5	.1							5.2	6.3
WNW	.9	1.1	.7	.1								2.8	5.3
NW	1.1	1.3	.4	.0								2.8	4.3
NNW	1.0	1.1	.3									2.5	4.2
VARBL													
CALM												29.5	
	22.3	26.3	17.4	4.1	.4	.0						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 6480

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] MAY AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

MAY — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1											.1	1.0
NNE		.1										.1	4.0
NE	.7											.7	2.2
ENE	.2											.2	1.[illegible]
E		.1										.1	4.[illegible]
ESE	.6	.1										.7	2.2
SE	1.0	.1										1.1	1.9
SSE	4.3	1.6	.1									6.0	2.3
S	7.6	7.9	1.6									17.1	3.9
SSW	3.5	6.6	3.0	.1								13.1	5.1
SW	1.9	2.9	1.3									6.0	4.9
WSW	.1	.4	.4									.9	5.6
W	.8	.6										1.4	3.3
WNW	1.2	.1										1.3	2.0
NW	.4											.4	1.3
NNW													
VARBL													
CALM												50.8	
	22.3	20.4	6.3	.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM [illegible] JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	MAY AAF/FT LEWIS WA	73-81	MAY

CLASS: ALL WEATHER

HOURS (LST): [illegible]

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	.1											.1	2.0
E													
ESE	.3											.2	1.5
SE	1.1											1.1	1.6
SSE	4.5	1.1										5.6	2.3
S	1[illegible].8	1[illegible].8	1.9	.1	.1							23.7	4.[illegible]
SSW	[illegible].3	4.3	1.7	.1								9.0	4.6
SW	1.2	2.3	.8									4.3	4.6
WSW	.3	.3	.1	.1								1.[illegible]	4.5
W	.4	.4	.2									1.[illegible]	4.4
WNW	.2	.1	.1									.5	3.8
NW		.1										.1	4.2
NNW	.1	.1										.2	3.[illegible]
VARBL													
CALM												3.3	
	22.[illegible]	19.4	4.9	.4	.1							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 877

USAFETAC FORM JUL 64 5-4-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
[illegible] — HOURS (LST)
CONDITION

SPEED KNTS; DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.1										.7	2.5
NNE	.5	.3	.2									1.0	4.1
NE	1.1	.3	.1									1.7	2.9
ENE	.2	.1										.4	3.3
E	.1	.1										.2	4.0
ESE	.2											.2	2.0
SE	.8	.1										1.0	2.1
SSE	1.2	1.2										3.3	2.9
S	7.8	8.5	3.5	.6								[illegible].3	4.7
SSW	7.1	7.6	4.3	.5								15.5	5.6
SW	2.2	3.2	1.3	.1								6.8	4.2
WSW	1.3	.6	.7									2.6	4.2
W	1.9	1.0	.4									3.2	3.6
WNW	1.2	.5										1.7	2.5
NW	.7	.2										1.0	2.5
NNW	.7											.7	1.7
VARBL													
CALM												39.7	
	24.6	24.1	10.5	1.2								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 84 OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
AFLTAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] STATION — GRAY AAF/FT LEWIS WA STATION NAME — 73-81 YEARS — MAY MONTH

ALL WEATHER CLASS — [illegible] HOURS LST

CONDITION

SPEED KNTS / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-	%	MEAN WIND SPEED
N	3.5	7.1	.4	.2								[illegible]	4.7
NNE	1.7	2.5	1.4									[illegible]	5.1
NE	.7	.3	.1									1.7	4.1
ENE	.5	.2	.1									1.0	3.9
E	.5	.1										.7	2.9
ESE	.4	.1										.5	2.3
SE	.1	.5										.7	[illegible]
SSE	.4	.6	.1									1.1	4.3
S	.2	3.7	4.4	1.4	.1							11.5	[illegible]
SSW	1.7	5.1	6.6	1.2	.5							[illegible]	7.7
SW	3.5	5.1	3.2	1.0								[illegible]	5.9
WSW	1.9	1.9	1.1									4.9	4.7
W	3.3	3.3	2.3	.4								[illegible]	5.1
WNW	1.2	2.5	.5	.2								[illegible]	4.4
NW	3.5	2.3	.1									[illegible]	2.2
NNW	2.3	1.9	.2									4.4	3.4
VARBL													
CALM												12.5	
	27.8	34.1	20.5	4.4	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 537

GSAFETAC [illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION: GRAY AAF/FT LEWIS WA — STATION NUMBER — YEARS: 77-81 — MONTH: MAY

CLASS: ALL WEATHER — HOURS (LST): 1200-1400

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	4.[illegible]	1.7									[illegible]	4.4
NNE	1.9	2.7	1.9									6.5	[illegible]
NE	.5	1.2	.5	.1								2.5	[illegible]
ENE	.4	.4										.7	[illegible]
E	.2											.2	2.5
ESE	.1											.1	[illegible]
SE	[illegible]	.4										1.2	[illegible]
SSE	.4	.5	.1									1.3	4.[illegible]
S	.5	1.1	2.6	.7								7.3	6.7
SSW	.[illegible]	2.7	3.6	1.3	.1							[illegible]	7.6
SW	1.1	4.5	5.0	1.7								12.3	7.3
WSW	1.[illegible]	2.7	3.6	1.4	.1							[illegible]	7.[illegible]
W	3.8	4.7	3.3	1.1	.1							13.0	[illegible]
WNW	[illegible].2	3.7	1.6	.6								[illegible]	5.4
NW	2.[illegible]	4.7	.8									[illegible]	4.4
NNW	2.2	3.[illegible]	.2									6.3	4.[illegible]
VARBL													
CALM												5.0	
	20.0	40.5	25.2	6.9	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 677

USAFETAC FORM [illegible] OCT 64 [illegible]

2

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME

77-81 — YEARS

MAY — MONTH

ALL WEATHER — CLASS

1500-1700 — HOURS (L.S.T.)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	[illegible]	1.1									[illegible].1	[illegible]
NNE	1.9	4.9	1.4	.1								7.9	[illegible]
NE	[illegible]	1.[illegible]	1.4									[illegible]	[illegible]
ENE	.5	[illegible]										[illegible]	[illegible]
E	.6	.7	.1									1.4	[illegible]
ESE	[illegible]	.1										[illegible]	[illegible]
SE	[illegible]	[illegible]	.1									1.2	[illegible]
SSE	[illegible]	[illegible]	.1									1.6	[illegible]
S	[illegible]	2.9	[illegible]	.2								5.9	[illegible]
SSW	1.1	[illegible]	3.2	.6	.1							7.5	[illegible]
SW	[illegible].1	[illegible]	[illegible]	1.1	.1							[illegible]	[illegible]
WSW	.4	[illegible]	3.9	.2								[illegible]	[illegible]
W	1.[illegible]	4.9	6.5	1.7	.2							15.1	[illegible]
WNW	[illegible].2	[illegible]	3.1	.8								[illegible]	[illegible]
NW	1.[illegible]	4.9	2.[illegible]									[illegible]	[illegible]
NNW	1.[illegible]	2.[illegible]	.6									[illegible]	[illegible]
VARBL													
CALM												4.4	
	15.5	41.7	29.5	5.7	.5							100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] CLIMATOLOGY BRANCH
[illegible]
A[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AY AAF/FT LE[illegible]TE [illegible]A — STATION / STATION NAME

73-81 — YEARS

MAY — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS L.S.T.

CONDITION

DIRECTION	1	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	[illegible]	7.[illegible]										5.0	[illegible].4
NNE	1.[illegible]	5.3	1.7									[illegible]	4.[illegible]
NE	.1	2.2	.6									3.3	4.[illegible]
ENE	.4											.4	1.7
E	.1											.5	1.[illegible]
ESE	.1	.3	.1									1.[illegible]	7.[illegible]
SE	.1	.1	.1									1.1	7.[illegible]
SSE	.1	1.[illegible]										[illegible]	[illegible]
S	.7	7.[illegible]	1.[illegible]	.1								7.3	4.7
SSW	.1	3.5	1.6	.2								7.4	5.[illegible]
SW	2.7	3.[illegible]	4.5	.7	.1							11.[illegible]	5.7
WSW	.8	4.[illegible]	2.9	.5								[illegible].4	6.3
W	1.[illegible]	6.7	5.[illegible]	.8								1[illegible].1	6.6
WNW	1.7	7.7	7.8	.1								[illegible].5	6.3
NW	2.7	7.7	1.2									7.7	4.5
NNW	1.7	1.[illegible]										3.[illegible]	7.4
VARBL													
CALM												13.9	
	24.	79.5	22.1	2.5	.1							1[illegible]3.3	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS)

DIRECTION	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3									.6	2.7
NNE	.3	1.2									1.5	3.7
NE	.1	1.2	.1								2.2	3.2
ENE	.1										.4	1.7
E	.1										.5	1.7
ESE	.1										.3	2.[illegible]
SE	1.[illegible]	.3									2.2	3.1
SSE	.1	1.7	.4								4.1	3.5
S	.5	4.7	.6								11.7	3.4
SSW	.1	5.1	2.9	.1							[illegible]	5.7
SW	2.2	4.[illegible]	1.2	.1							7.2	5.[illegible]
WSW	1.1	1.[illegible]	.7	.1							3.7	4.7
W	.7	2.2	.6								3.5	3.7
WNW	1.1	1.7	.2								3.5	3.9
NW	1.2	.7	.1								2.7	3.5
NNW	.3	.1									.3	2.7
VARBL	—	—	—	—	—	—	—	—	—	—		
CALM	—	—	—	—	—	—	—	—	—	—	15.9	
%	20.4	25.5	6.5	.4							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AAF/FT LEWIS WA — STATION / STATION NAME
77-81 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
ALL — HOURS (LST)
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.[illegible]	.4	.2								[illegible]	4.2
NNE	1.2	2.1	.6	.2								4.1	4.7
NE	.7	.3	.4	.2								[illegible]	4.5
ENE	.7	.7	[illegible]									.5	[illegible]
E	.4	.1	.4									.5	[illegible]
ESE	.1	.1	.2									.5	2.3
SE	.2	.3	.2									1.2	2.7
SSE	[illegible]	1.[illegible]	.1									3.1	3.1
S	4.[illegible]	5.7	2.2	.4	[illegible]							13.1	4.7
SSW	2.2	4.7	3.3	.5	.1							1[illegible].9	5.3
SW	1.3	3.2	2.7	.6	.2							[illegible].9	[illegible]
WSW	.2	1.2	1.7	.4	.2							4.[illegible]	6.3
W	[illegible]	2.7	2.3	.5	.1							7.6	5.9
WNW	1.4	1.[illegible]	1.2	.2								4.7	5.3
NW	1.7	2.1	.5									4.[illegible]	4.2
NNW	.2	1.3	.1									[illegible]	3.7
VARBL												27.1	
CALM													
	23.	32.7	15.7	2.7	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS [illegible]6[illegible]6

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] STATION: GRAY AAF/FT LEWIS WA — STATION NAME
77-81 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
[illegible] — HOURS (LST)
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1											.1	2.[illegible]
NNE	.[illegible]	.1										.[illegible]	2.[illegible]
NE	.[illegible]											.[illegible]	2.[illegible]
ENE													
E	.[illegible]											.4	1.[illegible]
ESE	.1											.1	1.[illegible]
SE	1.2											1.3	1.4
SSE	1.[illegible]	1.6										3.2	3.[illegible]
S	.1	5.4	.9									14.4	3.4
SSW	.3	7.5	2.5	.5								14.3	4.9
SW	.3	3.7	1.7	.2								7.7	4.5
WSW	.[illegible]	1.[illegible]	.2									3.2	3.3
W	1.6	.5										2.1	2.[illegible]
WNW	1.4	.[illegible]										1.[illegible]	2.[illegible]
NW	1.5	.[illegible]										1.7	2.[illegible]
NNW	.4											.4	2.[illegible]
VARBL													
CALM												43.3	
	25.[illegible]	19.9	5.3	.7								100.3	2.[illegible]

TOTAL NUMBER OF OBSERVATIONS 8[illegible]

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[illegible] (STATION) GRAY AAF/FT LEWIS WA (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS L.S.T.)

(CONDITION)

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1											.1	1.[illegible]
NNE	.1											.1	3.[illegible]
NE	.2											.2	2.[illegible]
ENE	.1											.1	1.[illegible]
E	.1											.1	1.[illegible]
ESE	.2											.2	1.2
SE	.2	.2										.4	2.3
SSE	2.5	1.2										3.8	2.7
S	2.5	5.7	.7									15.6	3.1
SSW	3.7	6.8	2.8									13.3	4.9
SW	2.2	3.2	1.6									7.0	4.7
WSW	1.0	.7	.2									2.1	3.8
W	2.2	.4										2.6	2.4
WNW	.7	.4										1.1	2.7
NW	.1	.4										.5	3.3
NNW													
VARBL													
CALM												52.6	
	23.3	18.4	5.7									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 510

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
77-81 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
[illegible] — HOURS LST
CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.6	.4									2.0	2.5
NNE	1.4	.2	.4									2.0	2.6
NE	1.2	.5	.1	.1								2.3	3.5
ENE	.5	.1	.1									.7	2.7
E	.2											.2	2.[illegible]
ESE	.1											.1	3.[illegible]
SE	.6	.2										.9	2.3
SSE	2.2	.5										2.8	2.3
S	5.3	6.3	1.9									14.4	4.1
SSW	5.1	6.2	3.3	.1	.1							15.6	4.8
SW	4.4	6.5	2.1	.1								13.2	4.5
WSW	1.2	1.1	.9									3.8	4.4
W	2.5	1.7	.1									4.3	3.3
WNW	1.1	.5										2.6	2.3
NW	1.[illegible]	.1										1.9	2.2
NNW	.7	.5										1.2	2.6
VARBL													
CALM												71.2	
	22.0	27.2	9.3	.4	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 310

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	77-81	JUN

CLASS: ALL WEATHER

HOURS (LST): 0900-1100

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	4.3	.5									7.4	4.1
NNE	3.1	3.6	1.5									7.2	4.9
NE	.5	.8	1.0									2.3	5.7
ENE	.4	.4	.5									1.2	5.3
E	.5											.5	1.8
ESE	.4	.1										.5	2.3
SE	.7	.1										.9	2.1
SSE	.5	.6										1.1	3.4
S	1.7	3.6	2.7	.2								8.3	5.7
SSW	2.6	6.7	4.2	.4								13.9	5.8
SW	3.6	6.2	4.0	.6								14.3	5.5
WSW	2.1	3.5	3.1	.2								8.9	5.7
W	3.5	3.5	1.7									8.6	4.3
WNW	2.2	1.7	.4									4.3	3.6
NW	3.3	2.8	.1									6.3	3.5
NNW	2.6	3.1	.5									6.2	3.8
VARBL													
CALM												8.3	
	29.3	40.9	21.1	1.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 610

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JUN

CLASS: ALL WEATHER

HOURS (LST): 1200-1400

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	5.3	1.6									6.9	4.9
NNE	2.0	3.6	1.9									7.4	4.9
NE	.9	1.1	.9									2.9	5.1
ENE	.2	.2	.4									.7	6.1
E	.4	.1										.5	3.[illegible]
ESE	.4											.4	2.3
SE	.5											.5	2.3
SSE	.4	.6										1.0	3.9
S	1.1	2.6	1.5	.2								5.4	5.5
SSW	1.0	4.6	5.1	.6								11.5	6.8
SW	2.1	4.7	6.8	1.0								14.6	6.9
WSW	2.2	2.8	4.1	.9								9.8	6.6
W	2.3	4.2	1.5	.9	.1							9.0	5.3
WNW	1.7	4.7	1.7	.1								8.3	5.0
NW	2.8	4.1	.7									7.7	4.4
NNW	2.6	4.1	1.0									7.7	4.3
VARBL													
CALM												3.7	
	22.3	43.1	27.0	3.7	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

JUN — MONTH

ALL WEATHER — CLASS

15-17[illegible] — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	4.[illegible]	2.2									[illegible].3	[illegible]
NNE	[illegible].1	3.5	1.0									5.[illegible]	4.[illegible]
NE	1.4	1.7	.[illegible]									3.[illegible]	[illegible]
ENE	.8	.8	.4									1.4	4.5
E													
ESE	.1											.1	2.[illegible]
SE	.8	.4										.9	2.7
SSE	.1	.[illegible]										.6	5.
S	.6	2.6	1.[illegible]	.[illegible]								4.4	5.8
SSW	.7	3.6	2.8	.5								7.7	6.5
SW	1.0	4.2	4.4	.5								1[illegible].1	[illegible].6
WSW	1.1	2.5	3.3	1.9								8.8	7.6
W	1.2	4.1	5.9	1.7	.2							13.2	7.6
WNW	2.1	4.[illegible]	4.3	.9								1[illegible].2	6.3
NW	1.6	5.1	2.0	.4								9.0	5.5
NNW	[illegible].2	3.6	.7									5.5	4.3
VARBL													
CALM												6.[illegible]	
#													
	16.5	42.2	28.9	6.[illegible]	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 81[illegible]

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] (STATION) — DAY AAF/FT LEWIS WA (STATION NAME) — 73-81 (YEARS) — JUN (MONTH)

ALL WEATHER (CLASS) — 1810-2007 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	3.7	.9									7.4	4.2
NNE	2.7	6.2	2.0									10.9	4.7
NE	2.6	2.1	.6									5.3	3.9
ENE	.6	.1										.7	2.7
E	.6	.1										.7	2.3
ESE	.1											.1	3.0
SE	.2											.2	1.5
SSE	.6	.1										.7	2.2
S	2.1	1.1	.9									4.1	4.1
SSW	1.6	4.2	2.1	.7								8.6	6.0
SW	1.5	4.9	4.6	.6								11.6	6.3
WSW	.8	2.6	1.1	.7	.1							5.1	6.8
W	1.6	4.3	6.2	1.1								13.7	6.9
WNW	2.2	6.9	3.2	.2								12.3	5.6
NW	1.7	4.2	1.1									7.0	4.9
NNW	2.5	1.5										4.0	2.9
VARBL													
CALM												7.4	
	24.1	42.3	22.6	3.5	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0484-5 DL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — 77-81 — JUN

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — [illegible]

CLASS — HOURS (L S T)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.4										1.9	2.7
NNE	2.0	1.6										3.6	3.0
NE	1.4	.7										2.1	3.1
ENE	.7											.7	1.5
E	.1											.1	2.0
ESE	.1											.1	1.0
SE	.6											.6	1.6
SSE	.9	.2										1.1	2.4
S	5.4	4.9	.4	.1								10.8	3.6
SSW	2.8	5.9	2.8	.1								11.6	5.1
SW	2.8	4.4	2.3	.1								9.8	5.1
WSW	1.9	1.9	.6									4.3	4.1
W	4.6	3.6	1.9									10.0	4.1
WNW	2.5	3.6	.9									6.9	4.3
NW	2.2	2.0	.4									4.6	3.6
NNW	.7											.7	1.8
VARBL													
CALM												31.0	
	30.3	29.[illegible]	9.3	.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 829

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JUL

CLASS: ALL WEATHER

HOURS (LST): ALL

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.4	.7									4.6	4.4
NNE	1.5	2.5	.8									4.8	4.5
NE	1.1	.9	.4	.0								2.4	4.3
ENE	.4	.2	.2									.7	4.[illegible]
E	.3	.2										.3	2.5
ESE	.2	.0										.2	2.0
SE	.6	.1										.7	2.[illegible]
SSE	1.1	.7										1.5	2.9
S	4.4	4.0	1.2	.1								9.7	4.1
SSW	2.8	5.8	3.2	.4	.0							12.1	5.5
SW	2.5	4.7	3.5	.4								11.0	5.6
WSW	1.5	2.0	1.7	.5	.0							5.7	5.9
W	2.4	2.5	2.2	.5	.0							7.9	5.5
WNW	1.8	2.9	1.3	.2								6.2	5.[illegible]
NW	1.9	2.4	.5	.0								4.8	4.3
NNW	1.5	1.6	.3									3.3	3.9
VARBL													
CALM												23.6	
	25.5	32.9	16.0	2.0	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 6479

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] STATION — [illegible]AY AAF/FT LEWIS WA STATION NAME — 73-81 YEARS — JUL MONTH

ALL WEATHER CLASS — [illegible] HOURS LST

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.1										.9	2.2
NNE	.2	.1										.4	2.2
NE	.2	.1										.4	2.3
ENE		.1										.1	[illegible]
E													
ESE	.2											.2	2.5
SE	.4											.4	1.3
SSE	2.0	.1										2.2	2.1
S	5.9	4.3	1.1									11.2	3.7
SSW	4.2	4.5	1.7	.1								10.5	4.4
SW	2.2	1.1	.8									4.2	3.6
WSW	1.7	.5	.1									2.2	3.2
W	3.5	.5	.2									4.2	2.6
WNW	1.4	.5										2.3	2.8
NW	1.1	.6										1.7	2.9
NNW	.4	.1										.6	2.0
VARBL													
CALM												58.4	
	21.3	13.3	3.9	.1								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] (STATION) [illegible] (STATION NAME) 77-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS LST)

(CONDITION)

SPEED KNTS	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4											.4	2.3
NNE	.4		.1									.5	4.5
NE													
ENE	.1											.1	2.[illegible]
E													
ESE	.1	.1										.2	2.[illegible]
SE	.5	.1										.6	3.[illegible]
SSE	1.[illegible]	.[illegible]										1.9	1.9
S	6.9	3.9	.6									11.5	3.3
SSW	4.9	4.2	.5									[illegible].7	3.[illegible]
SW	7.6	1.9	1.[illegible]									6.3	3.7
WSW	2.2	.5	.1									3.[illegible]	2.[illegible]
W	1.9	1.[illegible]										2.9	2.9
WNW	.8	.4										1.2	2.5
NW	.7	.1										.9	2.[illegible]
NNW	.2	.1										.4	2.7
VARBL													
CALM												[illegible].7	
	24.1	12.9	2.4									[illegible].9	1.3

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] FAY AAF/FT LEWIS WA — STATION / STATION NAME

77-81 — YEARS

[illegible] — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS LST

CONDITION

SPEED KNOTS OR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.7	.1									1.4	2.7
NNE	1.2	.7	.4									2.3	3.7
NE	1.7	.6	.1									.9	2.7
ENE	.5	.1										.7	1.[illegible]
E	.4											.4	2.[illegible]
ESE	.2											.2	1.[illegible]
SE	.1											.1	2.[illegible]
SSE	.5	.7										1.1	2.4
S	.1	5.7	.8	.1								6.8	4.3
SSW	.2	4.6	1.7	.1								12.[illegible]	4.1
SW	4.1	4.4	1.6	.1								.7	4.3
WSW	2.4	1.7	.6									.7	3.7
W	.7	1.7	.1									.1	2.3
WNW	.3	.4										.9	2.5
NW	1.2	.5										1.7	2.[illegible]
NNW	1.1		.1									1.2	2.5
VARBL													
CALM												63.[illegible]	
	15.7	21.7	5.5	.4								100.1	2.1

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

NATIONAL CLIMATOLOGY BRANCH
ESTAR
STATION SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AAF/FT LEWIS WA — 77-81 (YEARS) — JUL (MONTH)

ALL WEATHER (CLASS) — [illegible] (HOURS LST)

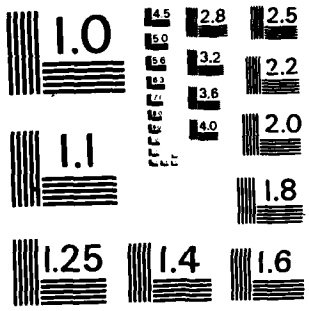
[illegible] (STATION)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	4.[illegible]	1.4									1[illegible]	4.[illegible]
NNE	[illegible]	4.[illegible]	2.6									8.[illegible]	[illegible]
NE	.[illegible]	[illegible]	.7									2.[illegible]	[illegible]
ENE	.[illegible]	.4										.7	[illegible]
E													
ESE	.[illegible]											.[illegible]	[illegible]
SE	.[illegible]											[illegible]	[illegible]
SSE	.[illegible]	.6	.1									.4	[illegible]
S	.5	1.[illegible]	1.4	.1								[illegible]	[illegible]
SSW	[illegible]	[illegible].6	4.1	.4								11.[illegible]	[illegible]
SW	[illegible].2	6.[illegible]	[illegible].0	.1								1[illegible].2	[illegible]
WSW	[illegible].0	[illegible]	1.3	.								[illegible].[illegible]	[illegible]
W	[illegible].5	[illegible].8	.6									[illegible]	[illegible]
WNW	3.[illegible]	[illegible].[illegible]	.[illegible]									[illegible].[illegible]	[illegible].4
NW	[illegible].8	[illegible].[illegible]										[illegible].5	[illegible]
NNW	[illegible].5	[illegible].[illegible]	.1									[illegible]	[illegible]
VARBL													
CALM												1[illegible].3	
	[illegible].1	4.3	16.5	.8								[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

AD-A128 112 GRAY AAF/FORT LEWIS WASHINGTON REVISED UNIFORM SUMMARY OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 14 DEC 82 2/5

UNCLASSIFIED USAFETAC/DS-82/062 SBI-AD-E850 362 F/G 4/2 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
743070	GRAY AAF/FT LEWIS WA	73-81	JUL

CLASS: ALL WEATHER

HOURS (L S T): 1200-1400

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.9	7.2	2.6	.1								13.9	4.9
NNE	1.4	4.1	2.6	.2								8.4	5.7
NE	.5	2.0	1.0									3.5	5.6
ENE	.2	.4	.1	.1								.8	6.0
E	.2											.2	1.5
ESE	.1											.1	2.0
SE	.4											.4	2.3
SSE	.2	.2	.2									.7	4.5
S	1.3	1.4	1.0									3.7	4.9
SSW	2.0	3.2	1.8	.2								7.3	5.3
SW	1.4	5.5	4.9	.5								12.3	6.3
WSW	1.4	2.6	1.9	.4								6.3	5.9
W	2.6	3.9	2.2									8.7	4.8
WNW	2.6	6.3	1.2									10.2	4.5
NW	3.3	5.9	1.2	.1								10.5	4.4
NNW	1.9	4.8	1.3	.1								8.1	4.7
VARBL													
CALM												4.9	
	23.8	47.6	22.0	1.8								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	JUL

CLASS: ALL WEATHER

HOURS (LST): 1500-1700

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.3	7.5	1.7	.1								14.6	4.3
NNE	2.3	4.7	1.4	.1								8.5	5.0
NE	1.0	2.7	1.3									5.0	5.4
ENE		.7	.1	.1								1.0	6.8
E	.2											.2	2.0
ESE		.5										.5	4.5
SE	.4	.1										.5	2.5
SSE		.2	.1									.4	5.3
S	.2	.7	.8									1.8	5.9
SSW	.8	2.9	1.1									4.8	5.1
SW	1.3	3.3	1.6	.1								6.3	5.5
WSW	.7	1.8	2.2	.8								5.5	6.9
W	2.6	5.0	2.9	.8								11.4	5.8
WNW	3.2	5.7	2.5	.7								12.2	5.4
NW	3.6	7.4	4.4	.7								16.1	5.5
NNW	2.4	5.0	1.1									8.5	4.7
VARBL													
CALM												2.9	
	24.0	48.4	21.1	3.6								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	JUL

CLASS: ALL WEATHER

HOURS (LST): 1800-2000

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.7	4.1	.7									9.4	3.7
NNE	4.1	9.1	1.8									14.9	4.5
NE	1.7	1.8	.6									4.1	4.3
ENE	.4	.2										.6	3.4
E	.5											.5	1.8
ESE	.1	.1										.2	3.0
SE	.4	.1										.5	2.5
SSE	.2	.2	.2									.7	5.0
S	.2	.8	.6									1.7	5.5
SSW	.7	2.5	1.1									4.3	5.1
SW	1.0	2.6	1.4									5.0	5.3
WSW	1.4	2.3	.8	.1								4.7	5.2
W	2.2	4.1	4.2	.2								10.6	5.7
WNW	1.8	10.2	4.7	.4								17.0	5.8
NW	3.6	6.3	1.9	.1								11.9	4.8
NNW	3.6	1.7	.4									5.6	3.3
VARBL													
CALM												8.2	
	26.4	46.1	18.4	.8								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	JUL

CLASS: ALL WEATHER

HOURS (L S T): 2100-2300

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.2										1.2	2.6
NNE	2.6	1.7										4.3	3.1
NE	1.4	.4										1.8	2.7
ENE	.7											.7	1.7
E													
ESE													
SE	.4	.1										.5	2.3
SSE	.6											.6	1.8
S	3.1	2.2	.6	.1								6.0	3.8
SSW	3.2	2.5	1.1	.1								6.9	4.2
SW	3.1	2.5	.7									6.3	3.8
WSW	1.9	.8	.4									3.1	3.6
W	4.8	5.1	.7									10.6	3.8
WNW	4.1	3.9	.6									8.6	3.8
NW	3.6	2.5	.2									6.3	3.2
NNW	1.7											1.7	2.1
VARBL													
CALM												41.3	
	32.1	22.0	4.3	.2								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

742070 (STATION) GRAY AAF/FT LEWIS WA (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	3.0	.8	.0								6.5	4.2
NNE	1.7	3.1	1.1	.0								6.0	4.8
NE	.8	1.1	.5									2.4	4.7
ENE	.3	.2	.0	.0								.6	4.1
E	.2											.2	1.4
ESE	.1	.1										.2	2.8
SE	.3	.1										.4	2.4
SSE	.7	.2	.1									1.0	2.8
S	2.7	2.6	.9	.0								6.2	4.2
SSW	3.0	3.7	1.6	.1								8.5	4.7
SW	2.4	3.4	2.0	.1								7.9	5.0
WSW	1.7	1.7	.9	.2								4.5	4.9
W	3.2	3.1	1.4	.1								7.8	4.5
WNW	2.4	3.9	1.1	.1								7.6	4.6
NW	2.6	3.3	1.0	.1								7.0	4.4
NNW	1.7	1.8	.4	.0								3.9	4.0
VARBL													
CALM												29.3	
	26.5	31.5	11.8	1.0								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 6696

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

742070 (STATION) GRAY AAF/FT LEWIS WA (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.1	.1									.2	5.5
NNE	.1											.1	2.0
NE	.2	.1										.4	3.0
ENE	.1											.1	1.0
E	.1											.1	3.0
ESE	.2											.2	1.5
SE	.4											.4	2.0
SSE	1.8	1.0	.1									2.9	2.9
S	5.3	4.4	.8									10.5	3.6
SSW	3.2	5.1	1.3									9.7	4.3
SW	3.1	2.5	1.0									6.6	4.0
WSW	1.7	1.0										2.6	3.0
W	4.5	1.2										5.7	2.6
WNW	2.5	1.1										3.6	2.7
NW	2.2	.1										2.3	2.0
NNW	.4											.4	1.7
VARBL													
CALM												54.2	
	25.8	16.6	3.3									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

HOURS (L.S.T.): 0300-0500

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		.2										.2	4.0
NE	.2											.2	2.0
ENE													
E	.2	.1										.4	3.0
ESE	.2											.2	1.5
SE	.5	.1										.6	2.2
SSE	1.7	.8										2.5	2.6
S	8.5	4.1	.5									13.0	3.1
SSW	4.4	5.5	1.3									11.2	4.2
SW	3.3	2.0	.5									5.9	3.3
WSW	2.4	1.2										3.6	3.0
W	5.3	.7										6.0	2.4
WNW	1.4		.1									1.6	2.6
NW	1.2	.4										1.6	2.2
NNW	.2											.2	2.0
VARBL													
CALM												52.8	
	29.6	15.2	2.4									100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

742070 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
AUG — MONTH

ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.4										1.0	2.9
NNE	1.0	.1	.1									1.2	3.2
NE	.6	.1										.7	2.3
ENE													
E	.1											.1	3.0
ESE	.4											.4	1.3
SE	.2	.2										.5	3.0
SSE	1.3	1.0										2.3	3.3
S	5.9	5.1	1.3									12.3	3.8
SSW	5.4	5.9	2.6	.1								14.0	4.5
SW	4.4	3.8	1.0									9.2	3.8
WSW	3.8	.6	.5									4.9	2.8
W	3.3	.8										4.2	2.5
WNW	1.8	.6										2.4	2.5
NW	1.3	.2	.1									1.7	2.6
NNW	1.2	.2										1.4	2.2
VARBL													
CALM												43.8	
	31.3	19.1	5.6	.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742270	OPAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

CONDITION:

HOURS (L S T): 0900-1100

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	4.2	.5									8.4	3.9
NNE	2.4	3.2	.6	.2								6.5	4.5
NE	1.4	.6	.6									2.6	4.0
ENE	.4	.4										.7	3.2
E													
ESE	.2											.2	2.0
SE	.4	.1										.5	2.0
SSE	.4	.4										.7	3.2
S	2.2	2.5	1.8	.5								6.9	5.5
SSW	3.5	4.5	5.5	.4								13.9	6.0
SW	3.2	5.1	2.4	.4								11.1	5.1
WSW	2.5	2.5	.2	.4								5.6	4.3
W	6.5	3.0	.5									9.9	3.1
WNW	2.6	2.0	.1	.1								4.9	3.4
NW	3.6	1.2	.1									4.9	2.8
NNW	2.4	3.1	.4									5.9	3.8
VARBL													
CALM												17.3	
	35.2	32.9	12.7	1.9								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

HOURS (L S T): 1200-1400

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	8.1	1.2	.1								13.1	4.5
NNE	2.2	3.0	2.6	.1								7.9	5.4
NE	1.1	1.1	.7	.1								3.0	5.0
ENE	.1											.1	2.0
E	.6											.6	2.2
ESE	.2	.1										.4	2.0
SE	.1											.1	2.0
SSE	.2	.2										.5	3.3
S	1.1	1.4	1.6	.6								4.7	6.4
SSW	1.2	2.2	3.0	1.3								7.6	7.0
SW	1.4	2.6	3.3	.4								7.8	6.2
WSW	1.2	3.2	1.1	.7								6.2	6.0
W	2.7	5.6	1.7									10.0	4.5
WNW	3.5	4.1	1.8	.1								9.4	4.5
NW	3.5	6.0	1.6									11.0	4.5
NNW	4.7	5.4	.8									10.8	3.9
VARBL													
CALM												6.8	
	27.5	42.9	19.4	3.5								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

HOURS (LST): 1500-1700

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.2	10.5	1.4									16.1	4.5
NNE	1.8	4.5	.8									7.2	4.7
NE	.8	2.0	.4									3.2	4.7
ENE		.5										.5	4.3
E	.1											.1	2.0
ESE													
SE		.1										.1	4.0
SSE	.6	.2										.8	3.0
S	.7	2.3	.7									4.1	4.9
SSW	1.3	1.9	2.0	.2								5.4	6.0
SW	1.4	2.6	2.7	.5								7.3	6.4
WSW	1.3	2.6	1.9	.5								6.3	6.2
W	2.2	3.9	2.3	.4								8.6	5.5
WNW	2.7	6.2	3.9	.2								13.1	5.5
NW	3.3	6.3	2.5	.2								12.4	5.0
NNW	2.6	5.6	1.2									9.4	4.7
VARBL													
CALM												5.3	
	23.2	49.6	20.0	2.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

CONDITION:

HOURS (LST): 1900-2[illegible]

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.1	4.3	.2									8.6	3.[illegible]
NNE	4.3	6.8	1.1									12.2	4.1
NE	2.2	2.[illegible]										4.2	3.[illegible]
ENE	.4	.1										.5	2.5
E	.5											.5	2.3
ESE	.8											.8	1.8
SE	.2	.1										.2	4.[illegible]
SSE	1.4											1.4	2.1
S	.3	1.7	.4	.1								3.0	4.8
SSW	1.2	2.3	1.3	.2								5.0	5.6
SW	1.4	3.5	2.4									7.3	5.6
WSW	.6	2.[illegible]	1.[illegible]	.1								3.7	5.8
W	1.7	3.2	3.[illegible]	.5								8.4	6.[illegible]
WNW	2.0	6.6	3.6									12.2	5.4
NW	4.1	6.1	1.3									11.5	4.3
NNW	2.3	1.3	.1									3.7	3.1
VARBL													
CALM												17.1	
	27.5	40.1	14.4	1.0								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 835

USAFETAC FORM JUL 64 0-8-5 0-1-4 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
73-81 — YEARS
AUG — MONTH
ALL WEATHER — CLASS
[illegible] — HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.4	.1									1.1	3.7
NNE	.5	.4	.1									1.3	3.6
NE	.5	.6	.1									1.2	4.3
ENE	.1	.1										.2	3.0
E													
ESE	.1											.1	2.0
SE	.4	.1										.5	2.3
SSE	1.7	.1										1.8	2.3
S	3.9	2.4	1.0									6.2	3.9
SSW	2.3	4.3	2.0	.1								8.7	5.1
SW	1.7	2.8	1.2									5.6	4.8
WSW	1.8	1.2	.4									3.3	3.7
W	4.8	2.3	.1									7.2	3.1
WNW	4.9	3.3	.5									8.7	3.3
NW	3.9	2.5										6.5	2.9
NNW	.6	.1										.7	2.3
VARBL													
CALM												46.8	
	27.0	20.6	5.5	.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 836

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	AUG

CLASS: ALL WEATHER

HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	3.5	.4	.0								6.1	4.2
NNE	1.6	2.3	.7	.0								4.6	4.5
NE	.9	.8	.2	.0								1.9	4.0
ENE	.1	.1										.3	3.1
E	.2	.0										.2	2.6
ESE	.2	.3										.3	1.7
SE	.3	.1										.4	2.5
SSE	1.1	.5	.0									1.6	2.9
S	3.4	3.0	1.0	.1								7.6	4.1
SSW	2.8	3.9	2.4	.3								9.4	5.2
SW	2.5	3.1	1.8	.1								7.6	5.0
WSW	1.9	1.8	.6	.2								4.5	4.6
W	3.9	2.6	.9	.1								7.5	3.9
WNW	2.7	3.0	1.3	.1								7.0	4.4
NW	2.9	2.9	.7	.0								6.5	4.0
NNW	1.8	2.0	.3									4.1	3.9
VARBL													
CALM												30.5	
	28.4	29.6	10.4	1.1								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 6694

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): 0000-0200

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE	.7	.1										.9	2.3
ENE	.5											.5	2.5
E	.4											.4	1.3
ESE													
SE	1.0	.4										1.4	2.6
SSE	2.5	.5										3.0	2.5
S	5.8	4.5	.6	.1								11.1	3.6
SSW	1.7	3.1	1.0	.4								6.2	5.3
SW	1.5	1.4	.1	.1								3.1	4.0
WSW	.7	.6										1.4	3.4
W	1.9	.2	.1									2.2	2.7
WNW	.5	.2	.2									1.0	4.3
NW	1.0											1.0	1.6
NNW													
VARBL													
CALM												68.0	
	18.1	11.1	2.1	.6								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): 0300-0500

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.1											.1	1.0
NE	.9	.1										1.0	2.1
ENE	.1											.1	2.0
E	.5											.5	1.5
ESE													
SE	1.6	.1										1.7	2.1
SSE	2.5	.4										2.8	2.1
S	5.6	4.7	.5									10.7	3.5
SSW	1.9	2.2	.5	.1								4.7	4.4
SW	1.4	2.2	.6									4.2	4.4
WSW	.4	.5										.9	3.4
W	1.2	.4										1.6	2.5
WNW	.5	.1										.6	2.2
NW													
NNW	.1											.1	2.0
VARBL													
CALM												70.9	
	16.7	10.7	1.6	.1								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74[illegible] (STATION) | SPAY AAF/FT LEWIS WA (STATION NAME) | 73-81 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 0600-0800 (HOURS (LST))

(CONDITION)

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9											.9	2.0
NNE	1.1	.4										1.5	2.5
NE	1.9	.6	.1									2.6	2.7
ENE	.9	.5	.1									1.5	3.4
E	.4	.1										.5	2.5
ESE	.1											.1	1.0
SE	1.1											1.1	1.9
SSE	2.8	.5										3.3	2.3
S	9.1	5.8	1.4									16.3	3.5
SSW	2.1	3.7	1.2									7.0	4.5
SW	1.7	1.2	.4									3.3	3.9
WSW	.4	.4	.1									.9	4.3
W	1.5	.6	.1									2.2	3.1
WNW	.2	.1										.4	3.0
NW	.3	.1										.4	3.0
NNW	.4											.4	1.7
VARBL													
CALM												57.7	
	24.8	14.1	3.5									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74207C	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): 0900-1100

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	2.7	1.1									7.5	4.0
NNE	3.3	4.2	1.5									9.0	4.4
NE	3.6	2.7	1.6									7.9	4.3
ENE	1.7	1.4	.4									3.5	3.7
E	.7	.1	.1									1.0	2.8
ESE	.4											.4	1.3
SE	.4	.2										.6	2.8
SSE	.6	.9		.1								1.6	4.5
S	1.5	3.2	2.6	.7	.1							8.1	6.3
SSW	3.6	5.1	3.3	.5								12.5	5.5
SW	2.0	4.4	2.5	.4								9.3	5.6
WSW	1.4	1.5	.5	.2								3.6	4.8
W	1.7	1.4	.9	.2								4.2	4.7
WNW	1.2	.5	.1									1.9	3.2
NW	1.5	1.5	.1									3.1	3.4
NNW	1.6	1.2										2.8	3.3
VARBL													
CALM												23.1	
	28.9	31.0	14.7	2.2	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742070	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (LST): 1200-1400

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	7.7	1.5	.2								12.1	4.9
NNE	1.9	4.7	4.0	.1								10.6	5.6
NE	1.0	4.3	2.2									7.5	5.5
ENE	.5	.6		.1								1.2	4.4
E	.6											.6	2.0
ESE	.5	.1	.1									.7	3.7
SE	.2	.1										.4	2.7
SSE	.4	.2										.6	3.2
S	.7	2.0	2.3	1.0	.1							6.2	7.5
SSW	1.1	2.8	4.9	.4								9.3	6.9
SW	1.6	4.4	4.4	.6								11.1	6.3
WSW	1.4	1.7	1.9	.1								5.1	5.6
W	2.5	3.5	1.7	.2	.1							8.0	5.2
WNW	1.9	2.8	.5	.2								5.4	4.5
NW	2.5	3.6	.2	.1								6.4	3.9
NNW	2.6	3.5	1.1									7.2	4.4
VARBL													
CALM												7.5	
	22.0	42.1	24.9	3.2	.2							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742270	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (LST): 1500-1700

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.3	7.4	1.7									13.5	4.4
NNE	3.2	7.5	3.7	.4								14.8	5.4
NE	2.7	3.7	1.2									7.7	4.6
ENE	.4	.4										.7	3.3
E	.4											.4	2.0
ESE	.4											.4	1.7
SE	.5	.1										.6	2.8
SSE	.4	.5										.9	3.7
S	.6	1.6	2.1	.7								5.1	7.4
SSW	1.6	2.7	1.9	.4								6.6	5.6
SW	1.7	2.7	2.1									6.6	5.2
WSW	1.4	2.8	2.3	.4								6.9	6.1
W	1.2	2.3	2.1	.6								6.3	6.3
WNW	1.5	2.1	1.4									4.9	5.1
NW	3.2	4.2	.7									8.2	4.0
NNW	2.6	3.3	.5									6.4	3.9
VARBL													
CALM												30.1	
	26.1	41.5	19.8	2.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
748270	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): 1800-2000

CONDITION:

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	1.7	.1									4.0	3.3
NNE	6.8	3.6	.6									11.0	3.4
NE	2.5	2.4	.4									5.2	3.7
ENE	.7											.7	2.3
E	.2	.1										.4	2.3
ESE	.5	.1										.6	2.2
SE	.5											.5	1.5
SSE	.7	.6										1.4	3.2
S	2.6	2.1	.7	.1								5.6	4.3
SSW	1.5	5.0	1.1									7.6	4.8
SW	1.2	3.0	.9									5.1	4.9
WSW	.9	1.5	.7									3.1	5.0
W	1.0	1.1	.6									2.7	4.6
WNW	.7	1.9	1.1	.1								3.8	5.6
NW	2.4	2.2	.1									4.7	3.4
NNW	1.4	.4	.1									1.9	2.7
VARBL													
CALM												41.8	
	25.8	25.7	6.6	.2								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 807

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74270	GRAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): 2100-2300

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4											.4	2.0
NNE	.9	1.0										1.9	3.3
NE	.6	.1										.7	2.3
ENE	.5											.5	1.5
E	.2											.2	2.0
ESE	.2											.2	2.0
SE	.5											.5	1.5
SSE	2.8	.1	.1									3.1	2.2
S	3.7	4.9	1.4									10.0	4.2
SSW	1.7	3.3	1.4									6.4	4.9
SW	1.0	1.4	1.0									3.3	4.9
WSW	.5	.5	.1									1.1	3.8
W	1.6	1.2	.1									3.0	3.1
WNW	2.0	1.9										3.8	3.6
NW	1.0	.4										1.4	3.0
NNW	.5											.5	2.5
VARBL													
CALM												62.9	
	18.2	14.8	4.1									100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 809

USAFETAC FORM JUL 64 0-8-1 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74077	SPAY AAF/FT LEWIS WA	73-81	SEP

CLASS: ALL WEATHER

HOURS (L S T): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	2.4	.6	.0								4.8	4.3
NNE	2.2	2.7	1.2	.1								6.1	4.6
NE	1.7	1.8	.7									4.2	4.3
ENE	.7	.4	.1	.0								1.1	3.4
E	.4	.1	.0									.5	2.2
ESE	.3	.0	.0									.3	2.4
SE	.7	.1										.8	2.2
SSE	1.6	.5	.0	.0								2.1	2.6
S	3.7	3.6	1.5	.3	.0							9.1	4.6
SSW	1.9	3.5	1.9	.2								7.5	5.3
SW	1.5	2.6	1.5	.1								5.7	5.2
WSW	.9	1.2	.7	.1								2.9	5.2
W	1.6	1.3	.7	.1	.0							3.8	4.6
WNW	1.1	1.2	.4	.0								2.7	4.5
NW	1.5	1.5	.2	.0								3.1	3.6
NNW	1.1	1.1	.2									2.4	3.8
VARBL													
CALM												42.7	
	22.6	23.9	9.7	1.1	.0							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 6475

USAFETAC FORM JUL 66 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
742170	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (L S T): 0000-0200

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.1										.2	3.5
NNE	.1											.1	2.0
NE	.4											.4	1.7
ENE	.1											.1	3.0
E	.7											.7	1.3
ESE	.1											.1	2.0
SE	1.0	.6	.1	.1								1.8	4.0
SSE	2.5	1.8										4.3	3.0
S	7.2	5.7	1.9	.6	.2							15.7	4.6
SSW	2.3	1.9	2.3	.1	.1							6.7	5.7
SW	.5	.4	.2	.2								1.3	5.6
WSW		.2	.1									.4	6.0
W	.2	.1										.4	2.7
WNW	.2											.2	2.0
NW													
NNW													
VARBL													
CALM												67.6	
	15.4	10.9	4.7	1.1	.4							100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (LST): 0700-1500

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2											.2	1.5
NNE	.1	.4	.2									.7	6.5
NE	1.[illegible]	.5	.1									1.6	2.9
ENE	.2											.2	2.0
E	.6											.6	2.0
ESE	.7	.1	.1									1.0	2.9
SE	1.3	.6	.1									2.0	3.1
SSE	2.5	1.2	.1	.1								3.9	3.0
S	5.9	5.7	1.6	.4	.1							13.6	4.4
SSW	.5	1.4	3.1	.7	.2							6.0	8.0
SW	.8		.6	.1								1.5	5.7
WSW	.1	.1										.2	4.0
W	.2	.1	.1									.5	4.3
WNW	.1											.1	2.0
NW	.2											.2	2.0
NNW	.2											.2	1.5
VARBL													
CALM												67.5	
	14.6	10.2	6.1	1.3	.4							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-845 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

74[illegible] GRAY AAF/FT LEWIS WA — STATION / STATION NAME
73-81 — YEARS
OCT — MONTH

ALL WEATHER — CLASS
[illegible] — HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.5										1.1	3.3
NNE	.4	.5										.8	3.9
NE	1.9	.4										2.3	2.4
ENE	.4	.4										.7	2.3
E	.7											.7	1.9
ESE	.6											.6	1.5
SE	1.7	.4	.3									1.9	2.4
SSE	2.1	1.3	.1	.1								4.7	3.4
S	7.4	6.2	2.4	.8								16.8	4.5
SSW	1.2	1.6	2.0	.5								5.3	5.9
SW	.7	.1	.2									1.1	3.5
WSW	.4	.5	.1									1.0	4.4
W	.7	.1										.8	2.0
WNW													
NW	.2											.2	3.0
NNW	.1											.1	2.0
VARBL													
CALM												11.9	
	19.7	11.8	5.1	1.4								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 877

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74077	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (LST): 0900-1100

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	.7									3.0	4.7
NNE	1.6	2.3	1.1									4.9	4.5
NE	2.7	2.6	1.0	.1								6.5	4.3
ENE	1.6	.1										1.7	2.1
E	.6	.5	.1									1.2	3.3
ESE	.6											.6	1.8
SE	.7	.4	.1									1.2	3.3
SSE	2.[illegible]	1.1	.6									3.7	3.7
S	4.1	5.0	3.7	2.0								14.8	6.0
SSW	1.4	2.9	5.6	.7	.1							10.6	7.1
SW	1.1	1.0	1.6	.4								3.9	6.1
WSW	1.2	.6	.4									2.2	4.1
W	1.4	.7	.5									2.6	4.0
WNW	1.2	.4										1.6	2.5
NW	.6	.6										1.2	3.0
NNW	1.1	.2										1.3	2.6
VARBL													
CALM												38.9	
	22.9	19.5	15.3	3.2	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM 0-8-5 JUL 64 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

74277 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
1200-1400 — HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	5.0	1.2									9.7	4.4
NNE	3.0	3.9	2.6	.1								9.7	5.1
NE	1.2	4.1	1.1									6.3	5.0
ENE	1.1	.4										1.4	2.7
E	.3											.8	2.4
ESE	.5	.4										.9	3.0
SE	.2											.2	1.5
SSE	.8	1.0	.1	.1								2.0	4.6
S	1.8	2.4	4.2	1.4	.2							10.0	7.3
SSW	1.6	2.9	5.3	1.6	.2	.1						11.6	7.7
SW	1.1	2.4	2.7	.4	.2							6.8	6.8
WSW	.8	2.5	2.0	.4	.1							5.9	6.5
W	3.0	2.7	1.0									6.7	4.1
WNW	2.2	1.6	.5									4.2	3.8
NW	2.5	2.0	.1									4.7	3.4
NNW	2.5	2.7	.1									5.4	3.8
VARBL													
CALM												14.7	
	25.6	33.9	20.9	3.9	.8	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (L S T): 1500-1700

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	4.1	1.0									7.2	4.3
NNE	4.1	5.5	3.3									12.9	4.8
NE	2.2	1.9	.6	.2								4.9	4.3
ENE	.2											.2	2.0
E	.6	.1										.7	2.5
ESE	.5	.1										.6	2.2
SE	.5	.2	.1									.8	3.9
SSE	1.4	1.4	1.0									3.8	4.6
S	1.3	3.5	3.6	.5								8.8	6.4
SSW	1.3	4.5	2.6	.6	.1							9.2	6.2
SW	.7	2.2	1.6	.1								4.5	5.9
WSW	1.0	1.3	1.0	.5	.1							3.8	6.6
W	1.7	2.4	.8	.2								5.1	4.8
WNW	1.4	2.0	1.1	.2								4.8	5.1
NW	3.6	1.8										5.4	2.9
NNW	3.5	2.0	.4									5.9	3.2
VARBL													
CALM												21.3	
	26.0	33.1	17.0	2.4	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74270	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (LST): 1800-2000

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6										1.2	3.4
NNE	3.1	1.0	.1									4.2	2.8
NE	1.7	.5										2.2	2.6
ENE	.2		.1									.4	4.0
E	.2											.2	2.5
ESE	.5	.2										.7	2.5
SE	1.2	.5	.1									1.8	2.7
SSE	1.4	.8	.2									2.5	3.5
S	4.3	4.8	3.1	1.1								13.3	5.4
SSW	1.4	2.9	1.7									6.0	5.2
SW	.7	1.3	.7	.1								2.9	5.8
WSW	.7	.5	.2	.1								1.6	5.1
W	.7	.7	.1									1.6	3.6
WNW		.1	.1									.2	7.0
NW		.1	.1									.2	5.5
NNW	.5											.5	1.5
VARBL													
CALM												60.7	
	17.3	14.0	6.7	1.3								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL RAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
7 7	RAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (LST): 2100-2300

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.1										.4	2.7
NNE	.7	.2										1.0	2.9
NE	.6	.5										.8	2.4
ENE	.2											.2	1.5
E	.2											.2	1.0
ESE	.4	.5										.8	3.7
SE	1.7	.2										1.9	2.3
SSE	2.5	1.4										3.9	2.8
S	6.3	5.7	2.5	.6								15.2	4.6
SSW	1.2	2.3	2.4	.1								6.0	6.0
SW	.2	.4	1.2	.4								2.2	7.6
WSW	.1	.3	.2									.6	5.6
W	.4											.4	2.3
WNW	.4	.2										.6	3.0
NW	.1											.1	2.0
NNW	.1											.1	2.0
VARBL													
CALM												65.6	
	15.4	11.6	6.3	1.1								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC FORM JUL 84 0-8-5 OLD A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	OCT

CLASS: ALL WEATHER

HOURS (LST): ALL

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.4	.4									2.7	4.2
NNE	1.6	1.7	.9	.0								4.3	4.6
NE	1.4	1.3	.3	.0								3.1	4.0
ENE	.5	.1	.0									.6	2.6
E	.6	.1	.0									.7	2.3
ESE	.5	.2	.0									.7	2.6
SE	1.0	.4	.1	.0								1.5	3.1
SSE	2.0	1.3	.3	.0								3.6	3.5
S	4.8	4.9	2.9	.9	.1							13.5	5.2
SSW	1.4	2.5	3.1	.5	.1	.0						7.7	6.6
SW	.7	1.0	1.1	.2	.0							3.0	6.2
WSW	.5	.7	.5	.1	.0							1.9	5.8
W	1.0	.9	.3	.0								2.3	4.1
WNW	.7	.5	.2	.0								1.5	4.1
NW	.9	.6	.0									1.5	3.1
NNW	1.0	.6	.1									1.7	3.3
VARBL													
CALM												49.8	
	19.6	18.1	10.3	2.0	.2	.0						100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 6696

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74270	GRAY AAF/FT LEWIS WA	73-81	NOV

CLASS: ALL WEATHER

HOURS (LST): 0000-0200

CONDITION:

SPEED (KNTS) / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2		.4									.6	6.6
NNE	1.1	.5	.7	.1								2.5	5.2
NE	.5	.7	.1									1.4	4.1
ENE	.4	.1										.5	2.5
E	.5	.2	.1									.9	3.4
ESE	.6		.2									.9	3.1
SE	.6	1.1										1.7	3.8
SSE	1.6	1.9	.6	.1								4.2	4.4
S	4.6	6.0	3.3	2.0	.5							16.4	6.4
SSW	1.4	2.5	3.2	.9	.2							8.1	7.2
SW	.7	.9	.7	.7								3.1	7.1
WSW	.1	.4	.1	.5	.1							1.2	9.3
W	.4	.4	.1									.9	4.7
WNW	.5											.5	2.8
NW													
NNW	.1											.1	2.0
VARBL													
CALM												57.0	
	13.3	14.7	9.8	4.3	.9							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
740070	GRAY AAF/FT LEWIS WA	73-81	NOV

CLASS: ALL WEATHER

HOURS (L S T): 0300-0500

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.2	.4	.2								1.0	8.3
NNE	.9	.4	.5									1.7	4.8
NE	.5	.4	.2									1.1	4.3
ENE	.4	.1										.5	2.3
E	.9											.9	2.1
ESE	.4	.1										.5	2.3
SE	1.7											1.7	2.1
SSE	2.0	2.3	.9	.2								5.4	4.6
S	4.7	6.4	4.4	2.5	.5							18.5	6.6
SSW	.6	1.4	3.0	.9								5.8	7.7
SW	.1	.6	.4	1.4								2.5	9.7
WSW	.2	.2	.1	.7								1.4	8.9
W	.2	.1			.1							.5	6.8
WNW	.1											.1	2.0
NW	.1											.1	2.0
NNW	.1											.1	3.0
VARBL													
CALM												58.1	
	13.1	12.3	9.9	5.9	.6							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 DL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

74070 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.4	.2									1.5	3.5
NNE	.9	.4	.4	.2								1.9	5.5
NE	.9	1.0	.1									2.0	3.5
ENE	.9											.9	1.7
E	1.4											1.4	2.0
ESE	.5	.1										.6	2.4
SE	1.0	.5										1.5	2.3
SSE	2.5	2.0	.7		.1	.1						5.4	4.9
S	4.1	6.9	5.1	1.5	.1	.1						17.8	6.1
SSW	.6	1.9	2.6	1.5								6.5	8.0
SW	.4	.7	1.1	.5	.1							2.3	7.8
WSW	.1	.2	.6	.2								1.2	8.3
W	.4											.4	2.3
WNW		.2	.1									.4	6.0
NW													
NNW	.5	.1										.6	2.4
VARBL													
CALM												55.2	
	14.8	14.4	11.0	4.0	.4	.2						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 813

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
72 73	GRAY AAF/FT LEWIS WA	73-81	NOV

CLASS: ALL WEATHER

HOURS (LST): 0900-1100

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.1	.6									1.5	4.8
NNE	1.0	2.3	1.1									4.1	5.2
NE	1.7	1.2	.4	.1								3.5	4.0
ENE	1.3	.1	.1									1.2	2.6
E	.7											.7	2.0
ESE	.5	.4										.9	3.1
SE	1.3	.4		.1								1.5	3.4
SSE	2.5	1.4	.7	.2								4.8	4.3
S	3.5	5.7	5.3	2.1	.7	.1						17.4	7.2
SSW	.6	3.0	5.7	2.7								12.0	8.2
SW	.5	1.2	1.1	.5								3.3	7.1
WSW	.2	.7	.2	.7								2.0	8.1
W	.2	.4	.5	.4								1.5	7.6
WNW	.2											.2	2.0
NW	.1	.2										.4	3.3
NNW	1.0		.1									1.1	2.6
VARBL													
CALM												44.0	
	15.6	16.8	15.9	6.9	.7	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 (AWS-DCLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74 70	GRAY AAF/FT LEWIS WA	73-81	NOV

CLASS: ALL WEATHER

HOURS (L S T): 1200-1400

CONDITION:

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	.9	1.2									4.0	4.7
NNE	1.5	2.1	1.7	.1								5.4	5.4
NE	2.2	2.2	1.0									5.4	4.3
ENE	.2	.4	.1									.7	4.2
E	.4	.1										.6	2.0
ESE	1.1											1.1	2.3
SE	1.2	.6	.2	.1								2.2	3.8
SSE	1.1	1.1	.6									2.7	4.7
S	1.7	2.8	5.9	3.8	.7	.2						15.3	8.9
SSW	2.1	2.5	6.8	3.1	.2							14.7	8.1
SW	.6	1.4	3.3	1.2								6.5	8.3
WSW	1.5	.5	.5	.4	.1							2.5	6.6
W	1.5	.6	1.1	.4								3.6	5.9
WNW	.2	.6	.2									1.1	4.9
NW	1.2	.1										1.4	2.1
NNW	2.0	.7										2.7	2.8
VARBL													
CALM												30.0	
	20.0	16.7	22.8	9.1	1.1	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] (STATION) GRAY AAF/FT LEWIS WA (STATION NAME) 73-81 (YEARS) [illegible] (MONTH)

ALL WEATHER (CLASS) [illegible] (HOURS LST)

(CONDITION)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	.4	.2								3.5	4.6
NNE	2.2	2.6	1.4									6.2	4.5
NE	1.4	1.2	.2	.1								3.[illegible]	4.3
ENE	1.[illegible]	.4	.1									1.5	3.6
E	.5											.5	1.6
ESE	1.1	.1										1.2	2.3
SE	1.4	.5	.1									2.[illegible]	2.9
SSE	1.[illegible]	1.5	.6									3.6	4.2
S	2.6	6.[illegible]	4.9	3.2	.2							17.[illegible]	7.[illegible]
SSW	1.5	3.2	5.9	2.5	.7	.1						14.[illegible]	8.7
SW	.9	1.0	1.9	.9								4.6	7.3
WSW	.6	.7	1.7	.1								2.5	6.2
W	.7	.1	1.0	.1								2.0	5.9
WNW	.4	.1										.5	2.3
NW	.7	.4	.1									1.2	3.4
NNW	1.1	.4										1.5	2.8
VARBL													
CALM												35.4	
	16.9	19.8	17.7	7.2	1.0	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 7-845 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] AAF/FT LEWIS WA — STATION / STATION NAME

73-81 — YEARS

NOV — MONTH

ALL WEATHER — CLASS

1500-2000 — HOURS (LST)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.2	.2								1.5	5.5
NNE	.6	1.1	.6	.2								2.6	5.6
NE	.7	1.0	.1									1.9	3.3
ENE	.4	.1										.5	2.3
E	.4											.4	1.7
ESE	.7											.7	2.[illegible]
SE	1.5	1.1										2.6	[illegible]
SSE	1.6	1.4	.9									3.8	4.4
[illegible]	4.9	7.4	4.1	3.3	.2							20.0	6.5
[illegible]	.7	7.0	2.3	1.7	.2							5.0	5.[illegible]
SW	.6	.5	.9	.5								2.5	7.[illegible]
WSW	.3	.1		.1								.7	3.8
W		.1	.1									.2	[illegible]
WNW		.1										.1	4.[illegible]
NW	.4	.1										.5	2.7
NNW	.1											.1	1.[illegible]
VARBL													
CALM												53.7	
	17.7	16.7	9.3	6.2	.5							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 610

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

[illegible] DAY AAF/FT LEWIS WA — STATION / STATION NAME

[illegible]-81 — YEARS

N [illegible] — MONTH

ALL WEATHER — CLASS

[illegible] — HOURS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.2	.1		.2							.7	[illegible]
NNE	.4	.6	.7									[illegible]	[illegible]
NE	1.[illegible]	.3	.1									[illegible]	[illegible]
ENE	.1	.4										[illegible]	[illegible]
E	1.0	.1										[illegible].1	[illegible]
ESE	.2	.1										.4	[illegible]
SE	1.1	.2										1.7	[illegible]
SSE	3.5	1.0	.0									[illegible]	[illegible]
S	4.6	6.7	4.7	2.2	.4							[illegible].1	[illegible]
SSW	.7	2.5	3.8	1.5	.6							9.3	[illegible]
SW	.1	.4	.5	.5								[illegible]	[illegible]
WSW			.1	.1								[illegible]	[illegible]
W	.2	.1	.1	.1								[illegible]	[illegible]
WNW		.2										[illegible]	[illegible]
NW													
NNW	.1											.1	[illegible]
VARBL													
CALM												5[illegible].7	
	1[illegible].1	14.1	11.1	4.8	1.2							1[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAFETAC FORM [illegible] OCT 64 [illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	77-81	NOV

CLASS: ALL WEATHER — HOURS (LST): ALL

CONDITION:

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.5	.4	.1	.0							1.8	5.2
NNE	1.1	1.2	.9	.1								3.3	5.1
NE	1.1	1.0	.3	.0								2.5	4.1
ENE	.5	.2	.0									.8	2.9
E	.7	.1	.2									.8	3.3
ESE	.6	.1	.2									.8	2.5
SE	1.2	.5	.0	.0								1.9	3.1
SSE	3.0	1.2	.7	.1	.0	.0						4.4	4.4
S	3.8	6.0	4.7	2.6	.4	.1						17.6	6.9
SSW	1.0	2.5	4.2	1.9	.3	.0						9.8	8.2
SW	.5	.8	1.2	.8	.0							3.4	7.8
WSW	.4	.4	.3	.4	.0							1.5	7.4
W	.2	.2	.4	.1	.0							1.2	6.0
WNW	.0	.0	.2									.4	3.9
NW	.2	.1	.0									.3	2.7
NNW	.6	.2	.0									.9	2.7
VARBL													
CALM												48.8	
	16.2	15.7	13.4	6.0	.8	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 5480

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (LST): [illegible]

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1											.1	3.3
NNE	.4	.4										.7	3.3
NE	.6	.1	.2									1.0	4.3
ENE	.4	.2	.1									.7	3.7
E	.7											.7	1.8
ESE	.6	.1										.7	2.7
SE	1.6	.5	.2									2.3	3.2
SSE	3.4	2.3	.2	.1								6.0	3.5
S	4.8	4.9	5.9	2.6	.9							19.1	7.2
SSW	.9	2.1	6.0	2.6	.4							11.9	8.8
SW	.5	1.1	1.2	.6								3.4	7.6
WSW	.1	.2	.6	.2	.1							1.4	9.6
W	.1	.1	.1	.2								.6	7.8
WNW	.1	.2										.4	3.3
NW	.1											.1	2.0
NNW	.2	.1										.4	2.7
VARBL													
CALM												50.1	
	14.8	12.6	14.8	6.4	1.4							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 612

USAFETAC FORM JUL 64 3-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (L & T): 0700-2500

CONDITION:

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.2										.4	3.3
NNE	.1	.5	.1									.7	5.2
NE	.2	.7										1.0	4.3
ENE	.1											.1	2.0
E	.9	.1										1.0	2.4
ESE	.5	.2										.7	2.8
SE	1.6	.2	.1	.1								2.1	3.2
SSE	1.8	1.5	.2	.1								3.7	4.0
S	3.8	6.6	4.6	3.1	.2							18.3	7.0
SSW	.7	3.2	4.6	3.0	.1							11.6	8.5
SW	.2	1.0	1.4	1.0								3.8	8.4
WSW	.2		.1	.4								.7	9.7
W	.2	.1			.1							.5	7.0
WNW													
NW	.1	.1										.2	4.0
NNW													
VARBL													
CALM												54.9	
	11.1	14.7	11.1	7.7	.5							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 879

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS	HOURS (L S T)
ALL WEATHER	0600-0800

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1		.1									.2	5.0
NNE	.6	.4	.5	.1								1.6	5.6
NE	.6	.1										.7	2.5
ENE	.5	.4										.9	2.9
E	.4	.1										.5	2.8
ESE	.5	.1										.6	2.4
SE	1.2	.5	.1									1.9	3.4
SSE	2.2	2.5	.4	.1								5.3	4.0
S	4.5	6.8	4.7	3.0	.2							19.3	6.7
SSW	1.4	1.7	4.6	2.2	.5							10.4	8.5
SW	.2	.9	1.6	.6								3.8	9.0
WSW	.1	.4	.4	.5								1.4	6.3
W	.2											.2	2.5
WNW	.1	.1										.2	3.0
NW	.2											.2	2.0
NNW	.1	.1										.2	3.5
VARBL													
CALM												52.6	
	13.2	14.1	12.6	6.8	.7							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
745070	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (LST): 0900-1100

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.6										1.4	3.5
NNE	.7	.7	.9	.1								2.5	5.6
NE	1.5	.4	.4									1.7	3.9
ENE	.6	.1	.2									1.0	3.8
E	.6											.6	2.0
ESE	1.0	.2	.1									1.4	3.1
SE	2.0	.6	.2	.1								3.0	3.5
SSE	1.5	1.0	.7	.1	.1							3.5	5.0
S	3.7	6.0	6.7	2.8	.4							19.6	7.0
SSW	1.1	3.5	5.8	3.2	.2							13.8	8.3
SW	.6	.9	2.2	1.2								4.9	8.8
WSW		.2	.1	.2								.6	8.0
W	.5		.2	.2								1.4	5.1
WNW	.1											.1	2.0
NW	.1	.6										.7	4.2
NNW	.5	.1										.6	2.6
VARBL													
CALM												43.2	
	15.2	15.1	17.7	8.1	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74 770	GRAY AAF/FT LEWIS WA	77-81	DEC

CLASS: ALL WEATHER

HOURS (L S T): 1200-1400

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.9	.1									3.5	3.8
NNE	.7	2.2	1.2									4.2	5.4
NE	1.4	1.7	1.0									4.1	4.7
ENE	1.0	.1										1.1	2.2
E	.8	.3										1.1	2.7
ESE	.7	.1										.9	2.9
SE	.9	1.0	.1									2.0	3.9
SSE	.9	.4	.6	.1								2.0	5.3
S	3.1	3.2	5.7	4.6	.4							17.0	8.3
SSW	.8	4.2	6.9	3.7	.5							16.2	8.7
SW	1.2	2.0	4.0	1.7								8.9	7.8
WSW	.6	.2	1.4	.4								2.6	7.8
W	.7	.7	.9	.4	.1							2.8	7.0
WNW	.7	.7										1.5	3.4
NW	.9	.6										1.5	3.0
NNW	.5	.1										.6	2.6
VARBL													
CALM												30.1	
	16.6	19.6	21.9	10.9	1.0							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 808

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (L S T): 1500-1700

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.[illegible]	.1									3.0	3.0
NNE	1.1	2.4	1.0	.1								4.6	5.4
NE	0.5	.7	.1									1.4	2.8
ENE	.6											.6	2.0
E	.1											.1	2.0
ESE	.6	.2	.1									1.0	3.0
SE	1.2	.5	.2									2.0	3.8
SSE	1.4	1.2	.7	.2								3.6	4.8
S	4.2	5.2	5.1	2.4	.4							17.3	6.9
SSW	1.2	3.1	7.7	2.4	.2							14.7	8.2
SW	.7	1.6	2.6	1.7	.1							6.3	8.9
WSW	.1	.1	.7	.6	.1							1.7	10.8
W	.6	.2	.4	.1								1.4	5.3
WNW	.2	.1										.4	3.3
NW	1.2	.6										1.9	2.9
NNW	.2	.4										.6	3.4
VARBL													
CALM												36.9	
	18.2	17.6	18.9	7.6	.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 803

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (LST): 1800-2000

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.2	.2									1.0	4.5
NNE	.5	.9	.4									1.7	5.0
NE	.5	.5	.6									1.6	5.3
ENE	.2											.2	1.5
E	.5	.2										.7	3.0
ESE	.5	.5										.7	2.7
SE	.7	.6										1.4	3.0
SSE	2.6	2.1	.9	.2	.1							6.0	4.6
S	4.1	8.6	4.7	2.5	.6							20.6	6.6
SSW	.4	2.7	5.1	2.0	.4							10.6	8.9
SW	.5	.6	2.0	1.7								4.9	9.3
WSW	.1	.5	.1	.1	.2							1.1	8.2
W	.5											.5	2.5
WNW	.2	.2										.5	3.3
NW	.1											.1	3.0
NNW													
VARBL													
CALM												48.2	
	12.1	17.6	14.1	6.6	1.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 801

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
74077	GRAY AAF/FT LEWIS WA	73-81	DEC

CLASS: ALL WEATHER

HOURS (L S T): 2100-2300

CONDITION:

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.3										.5	3.3
NNE	.5	.5	.2									1.2	4.1
NE	.7	.4	.1									1.2	3.4
ENE	.7	.7										1.5	2.1
E	.1											.1	1.0
ESE	.4	.2										.6	3.8
SE	1.5	.7										2.2	3.0
SSE	2.4	2.6	.9									5.9	4.3
S	3.9	5.2	5.9	3.1	.5							18.6	7.3
SSW	.5	2.1	4.2	3.7	.2	.1						11.0	9.4
SW	.6	.4	1.1	1.4								3.5	8.7
WSW		.5	.1	.6	.1							1.4	10.4
W	.2	.2										.5	3.5
WNW	.2											.2	2.0
NW													
NNW		.2										.2	4.5
VARBL													
CALM												51.7	
	10.1	13.7	12.6	8.9	.9	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 801

USAFETAC FORM JUL 64 0-8-5 OLD-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74 071 — STATION
CRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
DEC — MONTH
ALL WEATHER — CLASS
ALL — HOURS (LST)
CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.5	.1									1.3	3.6
NNE	.6	1.2	.5	.0								2.2	5.2
NE	.9	.6	.3									1.8	3.9
ENE	.5	.1	.0									.7	2.7
E	.5	.1										.6	2.4
ESE	.6	.2	.0									.8	2.9
SE	1.3	.6	.1	.0								2.1	3.4
SSE	2.0	1.7	.6	.1	.0							4.5	4.3
S	4.0	5.8	5.4	3.0	.4							18.7	7.1
SSW	.9	2.8	5.6	2.9	.3	.0						12.5	8.6
SW	.6	1.1	2.0	1.3	.0							5.0	8.5
WSW	.3	.3	.4	.4	.1							1.4	9.1
W	.4	.2	.2	.1	.0							1.0	5.8
WNW	.3	.2										.4	3.2
NW	.4	.2										.6	3.1
NNW	.2	.1										.3	3.0
VARBL													
CALM												46.0	
	14.2	15.6	15.5	7.9	.9	.0						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 4454

USAFETAC FORM JUL 64 2945 OLA-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
94270	GRAY AAF/FT LEWIS WA	73-81	ALL

CLASS	HOURS (LST)
ALL WEATHER	ALL

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.7	.5	.0	.0							3.6	4.3
NNE	1.4	1.9	.5	.1	.0							4.2	4.7
NE	1.2	1.1	.5	.1	.0							2.8	4.5
ENE	.5	.2	.1	.0	.0							.7	3.4
E	.5	.1	.0									.6	2.4
ESE	.5	.1	.0	.0								.6	2.9
SE	.9	.4	.1	.0								1.3	3.1
SSE	1.7	1.1	.3	.1	.0	.0						3.2	3.9
S	4.1	4.8	3.3	1.3	.1	.0						13.6	5.9
SSW	1.9	3.5	3.6	1.2	.1	.0						10.2	6.8
SW	1.3	2.2	2.0	.5	.0	.0						6.1	6.3
WSW	.9	1.1	.8	.3	.0	.0						3.1	6.2
W	1.6	1.5	.9	.2	.0	.0						4.2	5.2
WNW	1.1	1.4	.6	.1								3.1	4.6
NW	1.3	1.3	.3	.0								2.9	4.0
NNW	1.0	.9	.2	.0								2.1	3.7
VARBL													
CALM												17.6	
	20.9	23.2	13.8	4.0	.4	.0						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 78518

USAFETAC FORM JUL 64 0-8-5 (L+A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	ALL

INSTRUMENT (CLASS) — ALL (HOURS (LST))

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	.6	.1									2.3	3.[illegible]
NNE	2.[illegible]	1.5	.6	.1								4.1	4.1
NE	2.1	1.2	.2	.0								3.5	3.3
ENE	.8	.1	.0									.9	2.3
E	.8	.1										.9	2.1
ESE	.5	.1	.0									.6	2.3
SE	.7	.1	.0									.9	2.5
SSE	1.0	.3	.0	.0								1.3	2.8
S	3.2	1.9	1.5	.5	.1							7.3	5.1
SSW	3.6	2.6	2.6	1.2	.2	.0						9.2	5.6
SW	2.2	2.3	1.4	.6	.0							6.4	5.5
WSW	1.4	1.1	.2	.1								2.8	4.0
W	2.3	1.2	.2	.0	.0	.0						3.7	3.5
WNW	1.7	.6	.1									2.3	3.1
NW	1.1	.5	.0									1.6	2.7
NNW	1.0	.3	.0									1.3	2.6
VARBL													
CALM												1.2	
	24.4	14.4	7.0	2.5	.3	.0						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 7474

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

D

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0. For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT LEWIS WA 73-81 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1200

1.0	22.1	23.6	24.2	25.0	25.0	25.6	26.4	27.2	27.6	28.1	29.1	29.6	30.9	30.9	[illegible]	[illegible]	[illegible]
1.7	23.7	25.1	25.8	26.6	26.6	27.2	27.9	28.9	29.2	29.6	29.6	30.1	30.4	31.1	31.1	[illegible]	[illegible]
1.7	23.7	25.2	25.8	26.6	26.6	27.2	27.9	28.9	29.2	29.6	29.6	30.1	30.4	31.1	31.1	[illegible]	[illegible]
1.7	23.8	25.3	25.9	26.9	26.9	27.5	28.2	29.0	29.4	29.9	29.9	30.4	30.6	31.3	31.8	[illegible]	[illegible]
1.7	24.5	26.4	27.0	27.9	27.9	28.6	29.3	30.1	30.5	31.0	31.0	31.6	31.8	32.6	33.0	[illegible]	[illegible]
1.7	26.0	27.8	28.4	29.4	29.4	30.0	30.7	31.6	32.0	32.4	32.4	33.0	33.3	34.0	34.5	[illegible]	[illegible]
1.7	27.3	29.4	30.0	31.0	31.0	31.7	32.4	33.3	33.7	34.1	34.1	34.8	35.0	35.7	36.0	[illegible]	[illegible]
1.7	28.8	30.9	31.5	32.4	32.4	33.2	33.9	34.8	35.1	35.6	35.6	36.2	36.5	37.2	37.7	[illegible]	[illegible]
1.7	30.5	32.6	33.3	34.3	34.3	35.0	35.7	36.6	36.9	37.4	37.4	38.0	38.3	39.0	39.5	[illegible]	[illegible]
1.9	33.0	35.2	36.2	37.3	37.3	38.0	38.8	39.6	40.0	40.6	40.6	41.2	41.4	42.2	42.6	[illegible]	[illegible]
1.9	34.4	36.9	37.8	38.9	38.9	39.6	40.3	41.2	41.6	42.2	42.2	42.8	43.0	43.7	44.0	[illegible]	[illegible]
1.9	37.4	40.1	41.1	42.4	42.4	43.4	44.1	45.0	45.3	45.9	45.9	46.5	47.0	47.8	48.2	[illegible]	[illegible]
1.9	39.1	41.7	42.9	44.3	44.5	45.6	46.5	47.4	47.8	48.4	48.4	49.0	49.5	50.2	50.7	[illegible]	[illegible]
1.9	44.5	47.8	49.5	51.0	51.2	52.2	53.2	54.1	54.4	55.0	55.1	55.7	56.1	56.9	57.4	[illegible]	[illegible]
1.7	49.9	57.2	55.2	57.2	57.4	58.6	59.5	60.4	60.9	61.5	61.5	62.2	62.7	63.4	63.9	[illegible]	[illegible]
2.1	52.5	55.1	58.1	6[illegible].4	61.5	62.0	62.9	63.9	64.4	65.0	65.0	65.7	66.2	67.0	67.4	[illegible]	[illegible]
2.1	57.5	61.6	64.0	66.5	66.6	68.0	69.0	70.0	70.5	71.1	71.1	71.8	72.3	73.0	73.5	[illegible]	[illegible]
2.1	61.6	66.0	68.5	71.8	71.9	73.5	75.0	75.9	76.4	77.0	77.0	77.8	78.3	79.0	79.5	[illegible]	[illegible]
2.1	62.6	67.1	69.5	72.9	73.0	74.6	76.1	77.0	77.6	78.3	78.3	79.0	79.5	80.2	80.7	[illegible]	[illegible]
2.1	63.9	68.4	71.1	74.6	74.7	76.3	77.8	78.7	79.3	80.1	80.3	81.0	81.5	82.3	82.7	[illegible]	[illegible]
2.1	65.4	70.0	72.7	76.3	76.4	78.0	79.8	80.8	81.4	82.1	82.4	83.1	83.6	84.3	84.8	[illegible]	[illegible]
2.1	66.0	70.6	73.4	77.0	77.2	78.9	80.7	81.7	82.3	83.1	83.2	84.0	84.4	85.2	85.7	[illegible]	[illegible]
2.1	66.7	71.0	74.2	77.9	78.0	79.7	81.7	82.6	83.2	84.0	84.2	84.9	85.4	86.1	86.6	[illegible]	[illegible]
2.1	66.9	71.4	74.4	78.0	78.4	80.1	82.0	83.0	83.6	84.6	84.8	85.5	86.0	86.8	87.2	[illegible]	[illegible]
2.1	67.3	72.1	75.0	78.7	79.1	80.9	83.1	84.1	84.7	85.7	85.9	86.6	87.1	87.8	88.3	[illegible]	[illegible]
2.1	67.4	72.2	75.7	79.6	80.1	82.0	84.2	85.2	85.8	86.8	87.0	87.7	88.2	88.9	89.4	[illegible]	[illegible]
2.1	67.4	72.2	75.7	79.6	80.3	82.6	85.1	86.0	86.6	87.6	87.8	88.6	89.1	89.8	90.3	[illegible]	[illegible]
2.1	67.4	72.2	75.7	79.6	80.8	83.5	86.0	87.1	87.8	88.8	89.1	89.9	90.4	91.1	91.6	[illegible]	[illegible]
2.1	67.4	72.2	75.7	79.8	81.0	84.1	87.4	88.7	89.6	90.9	91.1	92.1	93.1	93.9	94.8	[illegible]	[illegible]
2.1	67.4	72.2	75.7	80.0	81.3	84.8	88.3	89.7	90.6	92.2	92.7	93.8	94.8	96.0	97.7	[illegible]	[illegible]
2.1	67.4	72.2	75.7	80.0	81.3	84.8	88.3	89.7	90.6	92.2	92.7	93.8	94.9	96.4	99.3	[illegible]	[illegible]
2.1	67.4	72.2	75.7	80.0	81.3	84.8	88.3	89.7	90.6	92.2	92.7	93.8	94.9	96.4	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 623

[illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LE[illegible]IS [illegible]A 73-81 JCN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-1500

[illegible].2	22.3	27.0	27.1	24.9	24.9	25.5	26.2	26.5	26.9	27.[illegible]	27.[illegible]	27.3	27.5	27.7	28.[illegible]	
1.2	23.6	24.6	24.9	27.0	27.0	27.6	28.2	28.6	29.0	29.1	29.1	29.3	29.6	29.8	30.0	
1.2	23.6	24.6	24.9	27.0	27.0	27.6	28.2	28.6	29.0	29.1	29.1	29.3	29.6	29.8	30.	
1.2	23.6	24.6	25.1	27.1	27.1	27.7	28.3	28.7	29.1	29.2	29.2	29.4	29.7	29.9	30.2	
1.2	24.0	25.2	25.7	27.7	27.7	28.3	29.0	29.3	29.7	29.8	29.8	30.0	30.7	30.5	30.8	
1.2	25.6	27.0	27.5	29.7	29.7	30.3	30.9	31.3	31.6	31.8	31.8	32.2	32.2	32.5	32.7	
1.3	27.6	28.8	29.4	31.6	31.6	32.2	32.8	33.2	33.6	33.7	33.7	33.9	34.2	34.4	34.7	
1.3	27.3	29.6	30.3	32.5	32.5	33.1	33.7	34.1	34.4	34.5	34.5	34.8	35.0	35.3	35.5	
1.3	28.4	30.7	31.4	33.6	33.6	34.2	34.8	35.2	35.5	35.6	35.6	35.9	36.1	36.4	36.6	
1.3	31.6	33.0	33.7	36.3	36.3	36.9	37.5	37.8	38.2	38.3	38.3	38.6	38.8	39.1	39.3	
1.3	33.1	34.3	35.0	37.6	37.6	38.2	38.8	39.2	39.5	39.7	39.7	39.9	40.1	40.4	40.6	
1.5	37.1	38.6	39.3	42.1	42.1	42.7	43.6	43.9	44.4	44.5	44.5	44.8	45.2	45.3	45.5	
1.5	40.4	41.8	42.8	45.7	45.7	46.4	47.2	47.6	48.1	48.2	48.2	49.4	48.7	48.9	49.1	
1.7	46.5	47.0	47.9	50.9	51.0	51.6	52.4	52.9	53.4	53.5	53.5	53.9	54.1	54.4	54.6	
1.7	48.4	50.6	51.7	55.0	55.1	55.7	56.8	57.3	57.8	57.9	57.9	58.3	58.5	58.8	59.0	
1.7	50.4	53.3	54.7	59.0	59.1	59.7	60.8	61.3	61.8	61.9	61.9	62.3	62.5	62.8	63.0	
1.7	56.6	60.5	62.0	66.3	66.4	67.0	68.1	68.6	69.1	69.2	69.2	69.6	69.8	70.1	70.3	
1.7	59.5	63.6	65.3	70.0	70.1	70.7	72.0	72.5	73.0	73.2	73.2	73.6	73.8	74.1	74.3	
1.7	59.9	64.0	65.8	70.7	70.8	71.4	72.7	73.2	73.7	74.0	74.0	74.3	74.6	74.8	75.1	
1.7	61.8	66.5	68.4	73.5	73.6	74.3	75.8	76.3	76.8	77.0	77.0	77.4	77.6	77.9	78.1	
1.7	62.9	67.6	69.5	74.8	75.1	75.8	77.4	77.9	78.5	78.8	78.8	79.2	79.4	79.7	79.9	
1.7	63.6	68.4	70.3	75.7	75.9	76.8	78.5	79.1	79.7	80.0	80.0	80.4	80.7	80.9	81.1	
1.7	63.7	68.5	70.4	75.8	76.0	76.9	78.6	79.2	79.8	80.2	80.2	80.5	80.8	81.1	81.4	
1.7	64.2	69.0	70.9	76.6	76.9	77.9	79.6	80.2	80.8	81.1	81.1	81.5	81.8	82.1	82.4	
1.7	64.7	69.6	71.7	77.5	77.7	79.0	80.8	81.4	82.0	82.4	82.4	82.7	83.0	83.3	83.6	
1.7	65.2	70.2	73.4	79.3	79.6	80.9	82.7	83.3	84.1	84.4	84.4	84.8	85.1	85.4	85.6	
1.7	65.3	70.6	73.8	79.9	80.3	82.2	84.3	84.9	86.0	86.4	86.4	86.7	87.0	87.3	87.6	
1.7	65.3	70.6	74.0	80.3	80.9	82.8	85.0	86.0	87.2	87.7	87.7	88.2	88.4	88.9	89.3	
1.7	65.5	70.8	74.2	80.5	81.3	83.7	86.5	87.6	89.1	89.5	89.5	90.0	90.4	90.9	91.2	
1.7	65.5	70.8	74.2	80.7	81.6	84.2	87.2	88.9	90.4	91.7	91.7	92.9	93.4	94.8	95.9	
1.7	65.5	70.8	74.2	80.7	81.6	84.2	87.2	88.9	90.5	92.2	92.2	93.8	94.8	96.2	98.4	
1.7	65.5	70.8	74.2	80.7	81.6	84.2	87.2	88.9	90.5	92.2	92.2	93.8	94.8	96.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 822

[illegible]

[illegible] AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible]ATH [illegible] SFC/[illegible]

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LE[illegible] 73-81 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2000-2800

[illegible]	20.2	21.3	21.6	22.5	22.6	22.6	22.7	22.9	23.0	23.0	23.0	23.1	23.2	23.5	23.3	
[illegible]	22.1	23.5	24.2	24.9	25.1	25.1	25.3	25.4	25.5	25.5	25.5	25.7	25.8	26.2	26.4	
[illegible]	22.3	23.6	24.3	25.1	25.2	25.2	25.4	25.5	25.7	25.7	25.7	25.8	25.9	26.0	26.5	
[illegible]	22.3	23.6	24.3	25.1	25.2	25.2	25.4	25.5	25.7	25.7	25.7	25.8	25.9	26.2	26.5	
[illegible]	22.9	24.3	25.1	25.9	26.0	26.0	26.3	26.4	26.5	26.5	26.5	26.6	26.8	27.0	27.4	
[illegible]	25.4	27.0	27.7	28.6	28.7	28.7	29.0	29.1	29.2	29.3	29.3	29.4	29.6	29.8	30.2	
1[illegible].3	27.[illegible]	29.5	30.3	31.1	31.3	31.3	31.5	31.6	31.8	31.9	31.9	32.0	32.1	32.4	32.7	
1[illegible].7	29.1	29.8	30.5	31.4	31.5	31.5	31.8	31.9	32.0	32.1	32.1	32.2	32.4	32.6	33.0	
11.4	32.3	33.1	32.8	33.7	33.8	33.8	34.1	34.2	34.3	34.4	34.4	34.5	34.7	34.9	35.3	
11.[illegible]	32.2	34.2	34.9	36.0	36.1	36.1	36.5	36.6	36.7	36.9	36.9	37.0	37.2	37.6	38.[illegible]	
1[illegible]	33.5	35.4	36.1	37.2	37.3	37.3	37.7	37.8	38.0	38.1	38.1	38.2	38.4	38.8	39.[illegible]	
1[illegible]	35.4	37.3	38.2	39.3	39.4	39.4	39.8	39.9	40.1	40.3	40.3	40.4	40.6	41.0	41.4	
12.4	3[illegible].2	4[illegible].3	41.1	42.3	42.5	42.5	42.8	42.9	43.2	43.3	43.3	43.6	43.8	44.2	44.5	
12.[illegible]	4[illegible].7	46.0	47.0	48.3	48.5	48.5	48.9	49.0	49.3	49.4	49.4	49.6	49.9	50.2	50.6	
12.[illegible]	47.1	49.9	51.3	53.2	53.4	53.6	54.1	54.3	54.5	54.9	54.9	55.1	55.4	55.7	56.1	
12.[illegible]	5[illegible].4	51.6	55.4	57.2	57.4	57.7	58.3	58.4	58.8	59.1	59.1	59.5	59.7	60.1	60.3	
12.[illegible]	55.8	58.7	62.2	64.4	65.[illegible]	65.5	66.2	66.3	66.7	67.0	67.0	67.4	67.6	68.0	68.4	
12.1	5[illegible].9	67.4	66.5	69.1	69.7	70.7	71.4	71.5	71.9	72.5	72.5	73.0	73.2	73.6	74.0	
12.1	5[illegible].1	63.6	67.0	69.6	70.2	71.2	71.9	72.0	72.4	73.0	73.0	73.5	73.7	74.1	74.5	
13.4	6[illegible].8	65.6	69.3	71.9	72.5	73.6	74.5	74.6	74.9	75.5	75.5	76.0	76.3	76.6	77.2	
13.[illegible]	61.7	66.5	7[illegible].3	73.0	73.6	74.9	75.8	75.9	76.3	76.9	76.9	77.4	77.6	78.0	78.3	
13.[illegible]	62.7	67.6	71.7	74.3	74.9	76.3	77.3	77.4	77.7	78.3	79.3	78.8	79.1	79.4	79.8	
13.5	63.9	68.0	72.0	74.8	75.4	76.9	77.9	78.[illegible]	78.3	79.0	79.0	79.4	79.7	80.2	81.5	
13.[illegible]	63.3	68.5	72.5	75.3	75.9	77.5	78.6	78.7	79.1	79.7	79.7	80.2	80.4	80.9	81.3	
13.[illegible]	63.7	69.1	73.1	76.0	76.6	78.2	79.3	79.4	79.9	80.5	80.5	81.0	81.3	81.8	82.1	
13.[illegible]	64.4	69.8	73.6	77.0	77.6	79.6	80.8	80.9	81.5	82.2	82.2	82.7	83.0	83.6	83.9	
13.[illegible]	64.6	70.8	74.9	79.5	79.1	81.1	82.5	82.7	83.5	84.3	84.3	84.8	85.0	85.6	86.0	
13.0	64.6	7[illegible].8	75.2	79.2	79.8	82.0	83.9	84.4	85.2	86.0	86.0	86.6	86.9	87.6	88.2	
13.[illegible]	64.6	7[illegible].9	75.7	8[illegible].0	81.1	83.7	86.3	86.7	87.8	88.8	88.9	89.7	89.9	90.6	91.4	
13.[illegible]	64.6	70.9	75.7	8[illegible].0	81.1	83.7	87.0	87.5	88.9	90.3	90.6	91.6	92.5	94.0	95.7	
13.2	64.6	70.9	75.7	80.0	81.1	83.8	87.3	87.8	89.3	90.6	91.0	92.1	92.9	94.9	98.7	
13.[illegible]	64.6	70.9	75.7	80.0	81.1	83.8	87.3	87.8	89.3	90.6	91.0	92.1	92.9	95.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 822

USAF ETAC [illegible]

2

AL CLIMATOLOGY BRANCH
TAC
ATTN SERVICE/MAC

CEILING VERSUS VISIBILITY

AN AAF/FT LE TS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	23.4	21.3	21.5	21.8	21.6	21.8	21.9	21.9	21.9	21.9	21.9	22.[illegible]	22.1	22.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	21.1	24.1	24.3	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.9	25.2	25.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23.5	24.5	24.7	24.9	24.9	24.9	25.1	25.1	25.1	25.1	25.1	25.2	25.3	25.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23.6	24.6	24.8	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	27.1	27.5	27.7	27.7	27.9	28.[illegible]	28.[illegible]	28.[illegible]	28.[illegible]	28.[illegible]	28.2	28.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	29.9	30.2	30.4	30.4	30.5	30.7	30.7	3[illegible].7	30.7	30.7	30.7	31.9	31.[illegible]	31.7	31.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31.6	32.0	32.2	32.2	32.2	32.5	32.7	32.7	32.7	32.7	32.7	33.0	33.1	33.5	33.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31.6	32.6	33.1	33.2	33.2	33.5	33.7	33.7	33.7	33.7	33.7	33.9	34.1	34.4	34.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.5	35.5	35.9	36.4	36.4	36.6	36.9	36.9	36.9	36.9	36.9	37.1	37.2	37.[illegible]	37.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	37.1	38.2	38.6	39.3	39.3	39.7	39.9	39.9	39.9	39.9	39.9	39.9	40.3	40.4	41.8	41.[illegible]	[illegible]	[illegible]	[illegible]
31.1	38.4	39.5	39.9	40.9	40.9	41.2	41.5	41.5	41.5	41.5	41.5	41.8	42.[illegible]	42.3	42.6	[illegible]	[illegible]	[illegible]	[illegible]
32.[illegible]	4[illegible].5	41.6	42.2	43.3	43.3	43.8	44.2	44.2	44.2	44.2	44.2	44.5	44.6	45.[illegible]	45.3	[illegible]	[illegible]	[illegible]	[illegible]
34.1	43.9	45.1	45.7	47.0	47.0	47.4	47.8	47.8	47.8	47.8	47.8	48.2	48.3	48.7	48.9	[illegible]	[illegible]	[illegible]	[illegible]
34.[illegible]	47.0	48.7	49.4	50.9	51.0	51.5	51.8	51.9	51.8	51.8	51.8	52.2	52.3	52.7	52.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].4	51.3	5[illegible].4	54.5	56.2	56.3	56.9	57.7	57.7	57.7	57.7	57.7	58.0	58.2	58.5	58.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].2	54.[illegible]	56.[illegible]	58.2	6[illegible].0	60.5	61.3	62.2	62.5	62.5	62.5	62.5	62.9	63.0	63.4	63.6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].3	57.0	6[illegible].8	62.4	64.8	65.5	66.8	67.6	68.1	68.1	68.1	68.1	68.5	68.6	69.0	69.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].8	61.1	6[illegible].1	66.8	69.6	7[illegible].2	71.8	72.6	73.8	74.[illegible]	74.[illegible]	74.[illegible]	74.3	74.5	74.8	75.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].2	61.4	65.6	67.3	70.3	70.9	72.5	73.4	74.6	74.7	74.7	74.7	75.1	75.2	75.5	75.8	[illegible]	[illegible]	[illegible]	[illegible]
39.8	62.9	67.5	69.2	72.6	73.4	75.4	76.3	77.6	77.7	77.7	77.7	78.1	78.2	78.6	78.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	63.7	68.7	70.7	74.1	74.6	77.[illegible]	77.9	79.2	79.3	79.4	79.4	79.8	79.9	80.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40.2	64.2	6[illegible].3	71.5	74.9	75.7	77.9	78.7	8[illegible].2	80.3	80.4	80.4	8[illegible].8	81.0	81.4	81.6	[illegible]	[illegible]	[illegible]	[illegible]
40.3	64.4	69.5	71.8	75.3	76.0	78.2	79.1	80.9	81.[illegible]	81.1	81.1	81.5	81.8	82.1	82.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	65.1	7[illegible].4	72.9	76.4	77.1	79.6	81.0	83.2	83.1	83.2	83.2	83.6	83.8	84.2	84.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].3	65.3	7[illegible].8	73.2	76.8	77.5	79.9	81.5	83.5	83.6	83.7	83.7	84.1	84.3	84.7	84.9	[illegible]	[illegible]	[illegible]	[illegible]
40.1	65.6	71.0	73.5	77.3	78.2	80.5	82.2	84.2	84.4	84.7	84.8	85.2	85.5	85.9	86.1	[illegible]	[illegible]	[illegible]	[illegible]
40.1	65.9	71.7	74.2	78.3	79.1	81.9	83.8	85.8	86.4	87.[illegible]	87.1	87.5	87.8	88.2	88.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	65.9	71.8	74.3	78.5	79.3	82.5	84.9	86.9	87.8	88.7	88.9	89.3	89.7	90.3	90.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	66.1	71.9	74.6	78.7	79.6	83.[illegible]	85.5	87.5	88.8	90.4	90.6	91.1	91.5	92.3	92.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	66.1	71.9	74.6	78.8	79.7	83.1	85.8	88.[illegible]	89.4	91.5	91.8	92.7	93.3	95.4	97.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	66.1	71.9	74.6	78.8	79.7	83.1	85.8	88.[illegible]	89.4	91.6	92.[illegible]	92.9	93.7	96.2	99.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	66.1	71.9	74.6	78.8	79.7	83.1	85.8	88.0	89.4	91.6	92.[illegible]	92.9	93.7	96.2	1[illegible]0.2	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 822

USAF [illegible]

2

GLOBAL CLIMATOLOGY BRANCH
OFFICE TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION AAF/FT LEWIS, WA — 77-81 — MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-1400

[illegible]	20.2	21.[illegible]	20.0	20.8	21.6	21.9	21.9	21.[illegible]	21.0	21.0	21.0	21.0	21.0	21.0	21.0	[illegible]
[illegible].1	23.6	24.0	24.0	24.2	24.2	24.3	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6
[illegible]	24.5	24.8	24.8	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.4
1[illegible]	25.4	25.6	25.8	26.0	26.1	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4
[illegible]	28.2	28.6	28.6	29.1	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4
[illegible]	31.3	31.6	31.6	32.2	32.2	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.6
[illegible].3	33.2	33.4	33.6	34.2	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.5
[illegible].7	33.7	34.4	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.4
[illegible]	36.5	37.5	37.5	38.1	38.1	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6
[illegible].2	40.1	41.1	41.1	41.7	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2
[illegible].7	42.2	43.2	43.2	43.8	43.8	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3
3[illegible].6	45.3	46.5	46.7	47.3	47.3	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
[illegible].5	47.[illegible]	48.3	48.7	49.3	49.3	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2
[illegible].4	50.4	51.7	52.7	53.3	53.8	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.9
[illegible].5	56.3	57.9	58.9	59.6	60.2	60.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
[illegible].1	[illegible].1	62.1	63.3	64.0	64.6	65.1	65.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.7
[illegible].2	63.6	65.9	67.8	69.6	69.2	69.7	70.3	71.[illegible]	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
[illegible]	67.0	69.8	72.0	73.0	74.0	74.5	75.1	75.9	76.[illegible]	76.[illegible]	76.[illegible]	76.0	76.[illegible]	76.[illegible]	76.[illegible]	76.2
[illegible]	67.3	70.1	72.3	73.4	74.3	74.8	75.4	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5
45.6	69.5	72.4	74.9	76.0	77.3	77.9	78.6	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
[illegible]	71.3	74.5	77.4	78.8	8[illegible].2	80.9	81.6	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0
46.1	72.5	75.8	78.8	8[illegible].4	81.9	82.7	83.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.2
[illegible]	72.9	76.3	79.4	81.1	82.6	83.6	84.7	85.6	86.[illegible]	86.[illegible]	86.0	86.0	86.[illegible]	86.[illegible]	86.[illegible]	86.1
[illegible].1	73.4	76.9	8[illegible].3	82.1	83.7	84.7	85.9	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
[illegible].1	73.5	77.1	8[illegible].5	82.6	84.2	85.2	86.4	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
[illegible].1	73.5	77.1	8[illegible].7	83.2	85.3	86.5	87.7	89.1	89.5	89.8	89.8	89.8	89.8	89.8	89.9	90.0
[illegible].1	73.6	77.6	81.9	84.5	86.6	87.8	89.4	90.8	91.4	91.6	91.6	91.7	91.7	91.8	92.0	
[illegible].1	73.6	78.1	82.2	85.2	87.5	88.8	91.2	93.4	94.3	94.8	94.8	94.9	94.9	95.0	95.1	
[illegible].1	73.6	78.[illegible]	82.2	85.2	87.5	88.8	91.4	94.2	95.6	96.5	96.5	96.8	97.1	97.6	97.7	
[illegible].1	73.6	78.[illegible]	82.2	85.2	87.5	88.8	91.4	94.2	95.6	96.5	96.5	97.2	97.6	98.7	98.9	
[illegible].1	73.6	78.1	82.2	85.2	87.5	88.8	91.4	94.2	95.6	96.5	96.5	97.3	97.9	99.1	99.6	
[illegible].1	73.6	78.1	82.2	85.2	87.5	88.8	91.4	94.2	95.6	96.5	96.5	97.3	97.9	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 822

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] MAR/FT LEWIS WA 73-[illegible] JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1[illegible]-1700

[illegible].2	22.3	22.4	22.7	23.1	23.1	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4	[illegible]	[illegible].4
22.[illegible]	26.[illegible]	26.9	27.4	28.3	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.6	28.6	[illegible]	[illegible]
23.4	27.6	27.8	28.3	29.1	29.1	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.5	29.9	[illegible]	[illegible]
23.[illegible]	28.1	28.3	29.7	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	30.0	30.3	[illegible]	[illegible]
28.[illegible]	31.6	31.9	32.4	33.3	33.3	33.4	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.6	34.1	[illegible]	[illegible]
[illegible].3	33.4	33.5	34.0	34.6	34.8	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.2	35.7	[illegible]	[illegible]
[illegible].9	35.1	35.2	35.7	36.5	36.7	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	37.[illegible]	37.5	[illegible]	[illegible]
[illegible].1	35.4	35.6	36.2	37.0	37.1	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.5	38.2	[illegible]	[illegible]
37.5	38.2	38.4	39.0	39.8	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.3	40.8	[illegible]	[illegible]
37.5	41.0	41.2	41.9	42.8	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.2	43.7	[illegible]	[illegible]
37.[illegible]	43.1	43.2	44.0	44.8	44.9	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.9	[illegible]	[illegible]
3[illegible].1	45.4	45.6	46.3	47.4	47.5	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9	48.0	48.5	[illegible]	[illegible]
37.1	49.[illegible]	49.2	50.2	51.3	51.4	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	52.0	52.5	[illegible]	[illegible]
3[illegible].5	54.4	55.2	56.3	57.6	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.8	[illegible]	[illegible]
42.5	60.5	61.5	62.7	64.1	64.2	64.8	64.9	65.2	65.4	65.4	65.4	65.4	65.4	65.5	66.0	[illegible]	[illegible]
4[illegible].2	65.[illegible]	66.5	68.2	69.9	70.0	70.6	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.5	72.2	[illegible]	[illegible]
4[illegible].4	67.8	69.8	71.7	73.6	73.7	74.3	74.4	74.9	75.2	75.[illegible]	75.3	75.4	75.4	75.5	76.1	[illegible]	[illegible]
4[illegible].2	70.5	72.7	75.0	77.5	77.6	78.3	78.4	78.9	79.5	79.7	79.7	79.8	79.8	79.9	80.5	[illegible]	[illegible]
46.[illegible]	71.4	73.6	76.0	79.4	76.6	79.3	79.4	79.9	8[illegible].5	8[illegible].6	8[illegible].6	8[illegible].8	8[illegible].8	8[illegible].9	81.5	[illegible]	[illegible]
4[illegible].7	73.3	76.[illegible]	78.4	81.1	81.2	82.0	92.2	82.[illegible]	83.3	83.4	83.4	83.6	83.6	83.7	84.3	[illegible]	[illegible]
46.9	74.1	77.2	79.8	82.8	82.9	83.9	84.2	84.7	85.3	85.4	85.4	85.5	85.5	85.6	86.2	[illegible]	[illegible]
46.9	74.9	78.1	8[illegible].8	84.0	84.2	85.4	85.6	86.2	87.[illegible]	87.1	87.1	87.2	87.2	87.3	87.9	[illegible]	[illegible]
46.9	75.2	78.4	81.2	84.7	84.9	86.2	86.6	87.2	87.9	88.1	88.1	88.2	88.2	88.3	88.9	[illegible]	[illegible]
46.9	75.3	78.6	81.6	85.3	85.5	87.1	87.5	88.1	88.8	88.9	88.9	89.0	89.0	89.2	89.8	[illegible]	[illegible]
46.9	75.3	78.6	81.6	85.4	86.0	87.8	88.2	88.8	89.5	89.6	89.6	89.8	89.8	89.9	90.5	[illegible]	[illegible]
46.9	75.3	78.6	81.6	85.5	86.2	88.8	89.8	90.6	91.5	91.7	91.7	92.1	92.1	92.2	92.8	[illegible]	[illegible]
46.9	75.4	78.7	82.1	86.0	86.7	89.3	90.6	91.8	92.9	93.4	93.4	93.8	93.8	94.0	94.6	[illegible]	[illegible]
46.[illegible]	75.4	78.7	82.1	86.0	86.8	89.9	91.7	93.1	94.8	95.6	95.6	96.0	96.0	96.2	96.8	[illegible]	[illegible]
46.9	75.4	78.7	82.1	86.0	86.8	89.9	92.1	93.7	96.2	97.4	97.4	97.8	97.8	98.1	98.7	[illegible]	[illegible]
46.9	75.4	78.7	82.1	86.0	86.8	90.0	92.3	93.9	96.6	97.8	97.8	98.2	98.3	98.8	99.4	[illegible]	[illegible]
46.9	75.4	78.7	82.1	86.0	86.8	90.0	92.3	93.9	96.6	97.8	97.8	98.2	98.3	98.9	99.5	[illegible]	[illegible]
46.9	75.4	78.7	82.1	86.0	86.8	90.0	92.3	93.9	96.7	97.9	97.9	98.3	98.4	98.91	10[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 821

USAF ETAC [illegible] 0145 [illegible] PREVIOUS EDITIONS ARE OBSOLETE

L BAL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA 73-81 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

[illegible].2	24.1	24.5	24.7	25.4	25.4	25.9	26.3	26.9	27.1	27.3	27.3	27.5	27.9	28.6	[illegible]
[illegible].3	27.9	28.2	28.7	29.4	29.4	29.9	30.3	30.9	31.1	31.3	31.3	31.6	32.[illegible]	32.7	33.1
[illegible].6	28.8	29.2	29.7	30.4	30.4	30.9	31.3	31.9	32.1	32.2	32.2	32.6	33.[illegible]	33.7	34.1
[illegible].6	29.0	29.3	29.8	30.5	30.5	31.0	31.4	32.0	32.2	32.4	32.4	32.7	33.1	33.8	34.2
[illegible].9	31.3	31.6	32.1	33.1	33.2	33.7	34.1	34.7	34.9	35.[illegible]	35.0	35.4	35.8	36.5	36.9
[illegible].2	32.8	33.2	33.7	34.7	34.8	35.3	35.6	36.3	36.5	36.6	36.6	37.0	37.[illegible]	38.1	38.4
[illegible].[illegible]	33.3	33.7	34.2	35.2	35.3	35.8	36.1	36.7	37.0	37.1	37.1	37.5	37.8	38.6	38.9
9.3	34.2	34.7	35.2	36.1	36.3	36.7	37.1	37.7	38.0	38.1	38.1	38.4	38.8	39.5	39.9
9.5	36.5	37.1	37.6	38.8	38.9	39.4	39.8	40.4	40.6	40.8	40.8	41.1	41.5	42.2	42.6
9.7	38.1	38.8	39.3	40.5	40.6	41.1	41.5	42.1	42.3	42.5	42.5	42.8	43.2	43.9	44.3
10.0	39.1	39.8	40.3	41.5	41.6	42.1	42.5	43.1	43.3	43.4	43.4	43.8	44.2	44.9	45.3
[illegible].0	41.2	42.1	42.6	43.8	43.9	44.4	44.9	45.5	45.7	45.9	46.0	46.5	47.0	47.7	48.1
10.2	44.8	45.7	46.4	47.7	47.9	48.4	48.9	49.5	49.8	49.9	50.0	50.5	51.0	51.7	52.1
10.2	49.5	50.7	51.7	53.4	53.6	54.5	55.1	55.8	56.1	56.2	56.3	56.8	57.3	58.0	58.4
10.3	53.8	55.4	56.6	58.3	58.5	59.6	60.3	61.1	61.3	61.4	61.6	62.0	62.5	63.3	63.6
10.3	58.3	60.0	61.7	63.5	63.7	64.8	65.7	66.4	66.7	66.8	66.9	67.4	67.9	68.6	69.0
10.4	64.1	66.4	68.4	70.7	70.9	72.1	73.0	74.0	74.9	75.2	75.3	75.8	76.[illegible]	77.0	77.4
10.5	67.9	70.6	72.6	75.3	75.5	77.1	78.1	79.1	8[illegible].3	80.5	80.7	81.1	81.6	82.4	82.7
10.6	68.9	71.7	73.7	76.4	76.6	78.2	79.2	80.2	81.4	81.6	81.8	82.2	82.7	83.5	83.8
10.6	70.0	73.2	75.5	78.6	78.8	80.7	81.6	82.6	83.8	84.1	84.2	84.7	85.0	85.9	86.3
10.6	71.3	74.7	77.3	80.5	80.8	82.7	83.7	84.7	85.9	86.1	86.3	86.7	87.2	88.0	88.3
10.6	71.7	75.3	78.0	81.6	81.9	83.8	84.9	85.9	87.1	87.3	87.5	88.0	88.4	89.2	89.5
10.6	71.7	75.5	78.5	82.2	82.5	84.5	85.6	86.6	87.8	88.1	88.2	88.7	89.2	89.9	90.[illegible]
10.6	71.8	75.8	78.7	82.6	82.8	85.0	86.3	87.2	88.4	88.7	88.8	89.3	89.8	90.5	90.9
10.6	71.9	75.9	79.0	83.0	83.2	85.4	86.6	87.6	88.8	89.1	89.2	89.7	90.1	90.9	91.2
10.6	71.9	75.9	79.0	83.0	83.2	85.5	87.1	88.3	89.8	90.0	90.1	90.6	91.1	91.8	92.2
10.6	71.9	75.9	79.2	83.3	83.6	86.0	87.8	89.2	90.9	91.8	92.0	92.5	92.9	93.8	94.2
10.6	71.9	75.9	79.3	83.9	84.2	87.0	89.4	90.8	92.9	94.0	94.2	94.6	95.1	96.[illegible]	96.4
10.6	71.9	75.9	79.6	84.3	84.5	87.5	90.0	91.4	93.7	94.8	95.0	95.5	96.0	97.1	97.4
10.6	71.9	76.0	79.8	84.5	84.8	87.8	91.0	92.3	94.9	96.1	96.5	97.0	97.4	98.5	98.9
10.6	71.9	76.0	79.8	84.5	84.8	87.8	91.0	92.3	94.9	96.1	96.5	97.1	97.6	98.9	99.8
10.6	71.9	76.0	79.8	84.5	84.8	87.8	91.0	92.3	94.9	96.1	96.5	97.1	97.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 822

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA [illegible] JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1100-2300

[illegible]	23.5	24.2	24.7	26.0	26.0	26.6	27.4	28.[illegible]	28.6	29.2	29.2	29.6	29.8	31.0	31.9
[illegible]	24.7	25.4	25.9	27.3	27.3	27.9	28.6	29.2	29.8	30.4	30.4	30.8	31.[illegible]	32.5	33.[illegible]
[illegible]	25.5	26.3	26.8	28.1	28.1	28.7	29.4	30.0	30.7	31.3	31.3	31.6	31.9	33.3	33.[illegible]
[illegible]	25.7	26.4	26.9	28.2	28.2	28.8	29.6	30.2	30.8	31.4	31.4	31.8	32.0	33.5	33.9
[illegible]	26.8	27.6	28.1	29.8	29.8	30.4	31.1	31.8	32.4	33.0	33.[illegible]	33.5	33.7	35.2	35.6
[illegible]	28.5	29.3	29.8	31.5	31.5	32.1	32.8	33.5	34.1	34.7	34.7	35.2	35.4	36.9	37.3
[illegible]	30.5	31.5	32.2	34.1	34.1	34.7	35.4	36.0	36.6	37.2	37.2	37.7	38.0	39.4	39.9
[illegible]	31.5	32.5	33.2	35.2	35.2	35.8	36.5	37.1	37.7	38.3	38.3	38.8	39.1	40.5	41.0
[illegible]	33.6	34.5	35.4	37.3	37.3	38.2	38.9	39.5	40.1	40.8	40.8	41.2	41.5	42.9	43.4
[illegible]	35.5	36.5	37.5	39.4	39.4	40.3	41.1	41.7	42.3	42.9	42.9	43.4	43.8	45.3	45.7
[illegible]	36.7	37.7	38.7	40.6	40.6	41.5	42.3	42.9	43.6	44.2	44.2	44.6	45.[illegible]	46.5	47.0
[illegible]	38.7	40.8	41.7	43.7	43.8	44.6	45.5	46.1	46.7	47.4	47.4	48.1	48.4	49.9	50.4
[illegible]	41.5	42.7	43.8	45.7	46.0	46.8	47.8	48.4	49.0	49.8	49.8	50.4	50.7	52.2	52.7
[illegible]	46.0	47.4	49.1	51.6	51.8	52.7	53.6	54.3	54.9	55.6	55.6	56.2	56.6	58.2	58.6
[illegible]	51.2	52.9	55.0	57.5	57.8	58.9	59.9	60.5	61.2	61.9	61.9	62.5	63.[illegible]	64.6	65.1
[illegible]	55.5	57.8	6[illegible].1	62.7	62.9	64.6	65.6	66.2	66.9	67.6	67.6	68.2	68.7	70.3	70.8
[illegible]	59.6	62.2	65.1	67.8	68.0	69.7	70.7	71.4	72.3	73.0	73.0	73.7	74.2	75.9	76.3
[illegible]	63.3	68.1	71.0	74.0	74.2	76.0	77.1	78.0	79.0	79.7	79.7	80.4	80.9	82.5	83.0
[illegible]	65.7	68.5	71.4	74.5	74.7	76.5	77.6	78.5	79.7	80.4	80.4	81.3	81.9	83.3	83.8
[illegible]	66.7	70.0	73.0	76.0	76.3	78.1	79.2	80.2	81.4	82.2	82.2	83.1	83.6	85.2	85.6
[illegible]	67.6	71.2	74.5	77.7	78.0	80.2	81.4	82.4	83.6	84.4	84.4	85.3	85.8	87.3	87.8
[illegible]	69.1	71.7	75.1	78.5	78.7	80.9	82.1	83.1	84.3	85.2	85.2	86.0	86.7	88.3	88.8
[illegible]	69.0	72.6	76.0	79.4	80.0	82.2	83.5	84.4	85.6	86.5	86.5	87.3	88.1	89.7	90.1
[illegible]	69.2	72.9	76.3	79.7	80.7	83.0	84.2	85.2	86.4	87.2	87.2	88.1	88.8	90.4	90.9
[illegible]	69.3	73.2	76.6	80.3	81.3	83.7	84.9	85.9	87.1	88.0	88.0	88.8	89.5	91.1	91.6
[illegible]	69.3	73.2	76.8	80.5	81.6	84.3	85.5	86.5	87.7	88.6	88.6	89.4	90.1	91.7	92.2
[illegible]	69.3	73.2	76.8	80.8	82.2	85.2	86.5	87.5	88.7	89.5	89.5	90.4	91.1	92.7	93.2
[illegible]	69.7	73.6	77.1	81.1	82.6	85.6	87.1	88.1	89.3	90.1	90.1	91.0	91.7	93.3	93.8
[illegible]	69.7	73.6	77.3	81.4	83.0	86.0	88.2	89.2	90.5	91.6	91.6	92.5	93.2	95.1	95.6
[illegible]	69.7	73.7	77.4	81.6	83.2	86.5	88.8	89.9	91.1	92.7	92.7	93.9	94.6	96.7	97.4
[illegible]	69.7	73.7	77.4	81.6	83.2	86.5	88.8	89.8	91.1	92.8	93.1	94.3	95.0	97.2	99.5
[illegible]	69.7	73.7	77.4	81.6	83.2	86.5	88.8	89.8	91.1	92.8	93.1	94.3	95.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 822

2

NAL CLIMATOLOGY BRANCH
AFSC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

AY AAFB/FT LEWIS WA 73-81 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

.3	21.9	22.0	22.9	23.7	23.7	24.[illegible]	24.4	24.7	24.9	25.1	25.1	25.3	25.5	[illegible]	[illegible]		
20.1	24.4	25.2	25.7	26.5	26.6	26.9	27.2	27.6	27.8	28.0	28.[illegible]	28.2	28.3	28.8	29.1		
21.1	24.9	25.7	26.2	27.0	27.1	27.4	27.7	28.1	28.3	28.5	28.5	28.7	28.8	29.3	29.6		
21.1	25.2	26.0	26.4	27.3	27.3	27.6	28.0	28.3	28.6	28.7	28.7	28.9	29.1	29.5	29.9		
19.2	27.0	27.9	28.3	29.3	29.3	29.7	30.0	30.4	30.6	30.8	30.8	31.0	31.2	31.7	32.[illegible]		
19.9	29.0	29.9	30.4	31.4	31.4	31.8	32.1	32.5	32.7	32.9	32.9	33.1	33.3	33.8	34.1		
13.[illegible]	[illegible].7	31.7	32.2	33.2	33.3	33.7	34.0	34.4	34.6	34.8	34.8	35.0	35.2	35.7	36.[illegible]		
13.7	31.5	32.5	33.0	34.1	34.1	34.5	34.9	35.2	35.4	35.6	35.6	35.9	36.1	36.5	36.9		
14.[illegible]	33.7	34.8	35.4	36.5	36.5	37.0	37.3	37.7	37.9	38.1	38.1	38.3	38.5	39.0	39.3		
15.5	36.1	37.3	37.9	39.2	39.2	39.6	40.0	40.4	40.6	40.8	4[illegible].6	41.1	41.3	41.8	42.1		
16.1	37.6	38.7	39.4	40.7	40.7	41.1	41.5	41.9	42.1	42.3	42.3	42.6	42.8	43.3	43.6		
16.7	4[illegible].3	41.5	42.3	43.7	43.7	44.2	44.7	45.0	45.3	45.5	45.5	45.8	46.0	46.5	46.9		
17.3	43.0	44.4	45.2	46.7	46.8	47.3	47.8	48.2	48.4	48.7	48.7	49.0	49.2	49.7	50.1		
1[illegible].1	47.7	49.3	50.4	52.1	52.3	52.9	53.5	53.8	54.1	54.3	54.3	54.7	54.9	55.4	55.8		
18.3	52.3	54.3	55.7	57.6	57.9	58.6	59.3	59.7	60.0	60.3	60.3	60.6	60.9	61.4	61.8		
1[illegible].5	55.8	59.3	59.9	62.1	62.3	63.2	64.0	64.5	64.9	65.1	65.1	65.5	65.8	66.7	66.6		
1[illegible].8	[illegible].3	63.4	65.5	67.8	68.2	69.1	69.9	70.5	71.0	71.3	71.3	71.7	71.9	72.4	72.8		
20.2	64.0	67.4	69.7	72.5	72.9	74.1	75.0	75.7	76.3	76.6	76.6	77.0	77.3	77.8	78.1		
20.3	64.5	68.0	70.4	73.3	73.6	74.8	75.7	76.4	77.1	77.4	77.4	77.8	78.1	78.6	79.0		
20.6	66.1	70.1	72.5	75.6	76.0	77.3	78.2	79.0	79.6	80.0	80.0	80.5	80.7	81.2	81.5		
20.7	67.2	71.3	74.0	77.3	77.7	79.2	80.2	81.0	81.6	82.0	82.1	82.5	82.7	83.3	83.6		
20.7	68.0	72.1	74.9	78.3	78.8	80.3	81.4	82.3	82.9	83.3	83.3	83.8	84.1	84.6	85.0		
20.7	68.3	72.5	75.5	78.9	79.4	81.0	82.2	83.1	83.7	84.1	84.2	84.6	84.9	85.4	85.8		
20.7	68.6	72.9	75.9	79.5	80.1	81.8	83.1	84.0	84.7	85.1	85.2	85.6	85.9	86.4	86.8		
20.7	68.9	73.3	76.3	80.0	80.7	82.5	83.9	84.8	85.4	85.9	85.9	86.3	86.6	87.2	87.5		
20.7	69.1	73.5	76.8	8[illegible].7	81.4	83.5	85.0	86.[illegible]	86.8	87.3	87.3	87.8	88.1	88.7	89.1		
20.7	69.2	73.8	77.3	81.4	82.3	84.5	86.3	87.3	88.3	89.0	89.0	89.5	89.8	90.4	90.8		
20.7	69.2	77.9	77.5	81.7	82.7	85.3	87.4	88.7	89.9	90.7	90.8	91.3	91.6	92.3	92.7		
20.7	69.3	74.[illegible]	77.7	82.0	83.1	85.8	88.4	89.9	91.4	92.5	92.6	93.2	93.6	94.4	95.1		
20.7	69.3	74.[illegible]	77.7	82.1	83.3	86.1	89.0	90.5	92.2	93.6	93.8	94.7	95.2	96.6	97.6		
20.7	69.3	74.0	77.7	82.1	83.3	86.1	89.0	90.6	92.3	93.7	94.0	94.9	95.6	97.0	99.3		
20.7	69.3	74.0	77.7	82.1	83.3	86.1	89.0	90.6	92.3	93.8	94.0	95.0	95.7	97.3	100.0		

TOTAL NUMBER OF OBSERVATIONS 6576

AF CLIMATOLOGY BRANCH
TAC
ATTN: SFS,ICE/MAC

2

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS, WA 70-81 55

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

.7	19.7	22.4	23.6	25.3	25.5	26.[illegible]	26.5	26.[illegible]	27.4	27.7	27.7	28.5	[illegible]	29.[illegible]	[illegible]
.7	21.5	24.[illegible]	26.0	27.7	27.8	28.3	28.9	29.1	29.8	30.1	30.1	31.8	32.[illegible]	32.[illegible]	31.4
.7	21.8	24.[illegible]	26.0	27.7	27.8	28.3	28.9	29.1	29.8	30.1	30.1	30.8	31.[illegible]	32.[illegible]	31.4
.7	21.8	24.[illegible]	26.[illegible]	27.8	28.2	28.5	29.0	29.3	29.9	30.2	30.2	31.[illegible]	31.[illegible]	31.[illegible]	31.5
.7	22.2	25.2	26.4	28.3	28.5	29.[illegible]	29.5	29.8	3[illegible].4	30.7	30.7	31.5	31.5	31.[illegible]	32.[illegible]
.7	22.[illegible]	25.6	26.8	28.7	28.9	29.5	30.2	30.4	31.1	31.4	31.4	32.2	32.[illegible]	32.[illegible]	32.7
.7	24.9	28.1	29.3	31.2	31.4	32.0	32.7	32.9	33.6	33.9	33.9	34.6	34.[illegible]	34.6	35.[illegible]
.7	26.[illegible]	29.1	30.3	32.3	32.4	33.1	33.7	34.0	34.6	34.9	34.9	35.7	35.7	35.7	36.[illegible]
.7	28.[illegible]	31.8	32.9	34.9	35.2	36.[illegible]	36.6	37.[illegible]	37.8	38.1	38.1	38.8	38.[illegible]	38.[illegible]	39.4
.7	32.2	35.4	36.7	39.1	39.5	40.3	40.9	41.3	42.1	42.4	42.4	43.2	43.2	43.2	43.7
.7	34.0	37.3	38.6	40.9	41.3	42.1	42.8	43.2	44.0	44.2	44.2	45.0	45.[illegible]	45.[illegible]	45.[illegible]
.7	39.9	43.[illegible]	45.1	47.8	48.2	49.0	49.6	50.0	50.8	51.0	51.0	51.8	51.8	51.8	52.4
.7	43.2	47.2	48.6	51.3	51.7	52.5	53.1	53.5	54.3	54.6	54.6	55.4	55.4	55.4	55.9
.7	47.6	52.4	53.7	56.4	56.8	57.6	58.3	58.9	59.7	60.1	60.1	60.9	60.9	60.9	61.4
.7	54.3	59.6	60.9	63.9	64.3	65.1	65.7	66.4	67.2	67.6	67.6	68.4	68.4	68.4	68.9
.8	59.6	65.6	67.1	70.1	70.5	71.3	71.9	72.7	73.5	73.9	73.9	74.7	74.7	74.7	75.2
.8	65.6	72.3	74.1	77.2	77.7	78.5	79.1	79.9	80.7	81.1	81.1	81.9	81.9	81.9	82.4
.8	68.4	75.1	77.2	8[illegible].2	80.7	81.5	82.3	83.2	84.0	84.4	84.4	85.2	85.2	85.2	85.7
.8	69.3	76.1	78.2	81.2	81.8	82.5	83.3	84.3	85.0	85.4	85.4	86.2	86.2	86.2	86.7
.8	7[illegible].1	77.2	79.3	8[illegible].3	82.8	83.6	84.4	85.3	86.4	86.7	86.7	87.7	87.7	87.7	88.2
.8	71.3	78.7	81.1	84.1	84.6	85.4	86.2	87.1	88.2	88.6	88.6	89.5	89.5	89.5	90.[illegible]
.8	71.8	79.5	81.9	85.0	85.6	86.4	87.1	88.1	89.1	89.5	89.5	90.4	90.[illegible]	90.6	91.1
.8	72.2	79.9	82.4	85.6	86.1	86.9	87.7	88.6	89.6	90.0	90.0	90.9	91.1	91.1	91.[illegible]
.8	72.2	80.1	82.5	85.8	86.4	87.3	88.3	89.2	90.3	90.8	90.8	91.7	91.9	91.9	92.4
.8	72.3	8[illegible].6	83.1	86.4	86.9	87.8	88.8	89.[illegible]	90.8	91.5	91.5	92.4	92.7	92.7	93.2
.8	72.7	81.[illegible]	83.5	86.7	87.3	88.2	89.2	9[illegible].2	91.2	91.9	91.9	92.8	93.0	93.2	93.6
.8	72.7	81.1	83.7	87.0	87.5	88.5	89.5	9[illegible].4	91.5	92.1	92.1	93.3	93.6	93.8	94.1
.8	72.7	81.1	83.9	87.5	88.5	89.4	90.4	91.3	92.4	93.[illegible]	93.0	94.2	94.5	94.5	95.[illegible]
.8	72.8	81.2	84.3	87.9	88.8	90.2	91.3	92.[illegible]	93.4	94.1	94.1	95.3	95.5	95.5	96.1
.8	72.8	81.2	84.[illegible]	87.9	88.8	90.2	91.3	92.5	93.7	94.4	94.4	95.5	95.8	96.5	97.6
.8	72.9	81.2	84.0	87.9	88.8	90.2	91.3	92.5	93.7	94.5	94.6	95.9	96.2	97.2	99.7
.8	72.8	81.2	84.0	87.9	88.8	90.2	91.3	92.5	93.7	94.6	94.6	95.9	96.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 762

2

[illegible] AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT LEWIS WA [illegible] [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-1220

[illegible]	14.0	15.0	16.7	18.4	18.6	18.9	19.2	19.3	19.8	20.3	[illegible]	20.5	[illegible]	[illegible]	[illegible]	21.[illegible]
[illegible]	15.2	15.3	19.1	20.2	20.5	20.9	21.1	21.3	22.[illegible]	22.6	22.6	22.7	22.8	22.8	22.8	23.[illegible]
[illegible]	15.2	15.3	19.1	20.2	20.5	20.9	21.1	21.3	22.0	22.6	22.6	22.7	22.8	22.8	22.8	23.[illegible]
[illegible]	15.2	15.3	19.1	20.2	20.5	20.9	21.1	21.3	22.0	22.6	22.6	22.7	22.8	22.8	22.8	23.[illegible]
[illegible]	16.3	17.3	19.2	21.3	21.5	21.9	22.2	22.3	23.1	23.6	23.6	23.8	23.9	23.9	24.[illegible]	
[illegible]	17.1	18.1	19.9	22.0	22.3	22.7	23.[illegible]	23.1	23.9	24.4	24.4	24.5	24.7	24.7	25.6	
[illegible]	19.0	20.1	21.9	24.0	24.3	24.7	24.9	25.1	25.9	26.4	26.4	26.5	26.6	26.6	27.[illegible]	
[illegible]	[illegible].1	21.1	23.1	25.1	25.3	25.7	26.0	26.1	26.7	27.4	27.4	27.6	27.7	27.7	28.6	
[illegible]	23.3	23.6	25.5	27.6	27.8	28.2	28.5	28.6	29.4	29.9	29.9	30.1	30.2	30.2	31.1	
[illegible]	25.2	26.6	28.5	30.8	31.1	31.8	32.[illegible]	32.2	32.9	33.5	33.5	33.6	33.7	33.7	34.[illegible]	
[illegible]	27.4	29.[illegible]	31.0	33.3	33.6	34.3	34.5	34.6	35.4	36.[illegible]	36.[illegible]	36.1	36.2	36.2	37.1	
[illegible]	32.5	34.5	36.7	39.1	39.4	40.2	40.3	40.4	41.2	41.7	41.7	41.9	42.0	42.[illegible]	42.9	
[illegible]	36.2	38.5	41.7	43.0	43.3	44.0	44.2	44.4	45.3	45.8	45.[illegible]	45.9	46.1	46.1	47.[illegible]	
[illegible]	42.4	45.4	46.0	51.7	51.9	51.8	52.1	52.2	53.1	53.7	53.7	53.8	53.9	53.9	54.9	
[illegible]	46.3	52.1	55.0	58.0	58.3	59.2	59.4	59.6	6[illegible].9	61.[illegible]	61.[illegible]	61.2	61.3	61.3	62.2	
[illegible]	53.4	58.1	61.0	64.0	64.3	65.2	65.5	65.6	66.5	67.1	67.1	67.2	67.3	67.3	68.2	
[illegible]	59.1	64.2	67.3	7[illegible].3	7[illegible].9	71.8	72.3	72.4	73.4	77.9	77.9	74.0	74.1	74.1	75.1	
[illegible]	63.5	68.4	71.7	74.9	75.5	76.4	76.9	77.[illegible]	76.[illegible]	78.5	78.5	78.6	78.7	78.7	79.7	
[illegible]	63.0	69.2	72.6	76.0	76.5	77.4	78.0	78.1	79.1	79.7	79.7	79.8	79.9	79.9	80.9	
[illegible]	66.1	71.4	75.1	78.5	79.0	79.9	80.4	80.6	81.6	82.2	82.3	82.4	82.5	82.5	83.9	
[illegible]	67.2	74.[illegible]	77.7	81.1	81.6	82.5	83.1	83.2	84.3	84.8	84.9	85.0	85.2	85.2	86.1	
[illegible]	67.8	74.7	78.5	82.3	82.8	83.9	84.4	84.5	85.6	86.0	86.2	86.4	86.5	86.5	87.4	
[illegible]	68.2	75.2	79.3	83.1	83.6	84.6	85.2	85.3	86.4	87.[illegible]	87.[illegible]	87.1	87.2	87.2	88.0	
[illegible]	68.2	75.2	79.4	83.2	83.7	84.8	85.4	85.6	86.7	87.7	87.7	87.8	87.9	87.9	88.4	
[illegible]	68.4	75.5	79.8	83.6	84.1	85.0	85.8	86.0	87.1	88.1	88.1	88.2	88.3	88.3	89.0	
[illegible]	68.8	75.9	81.2	84.1	84.6	85.7	86.4	86.5	87.7	88.6	88.6	88.7	88.8	88.8	89.8	
[illegible]	69.0	76.4	81.0	84.8	85.4	86.5	87.1	87.3	88.5	89.4	89.4	89.6	89.9	89.9	90.[illegible]	
[illegible]	69.3	76.[illegible]	81.5	85.7	86.4	87.4	88.1	88.2	89.4	90.3	90.3	90.6	90.8	90.8	91.7	
[illegible]	69.4	76.9	81.8	86.0	86.6	87.9	88.6	88.7	89.9	90.9	90.8	91.1	91.2	91.2	92.4	
[illegible]	69.4	76.9	81.8	86.0	86.6	88.2	88.6	89.[illegible]	90.3	91.6	91.7	92.0	92.4	92.[illegible]	94.[illegible]	
[illegible]	69.4	76.9	81.8	86.1	86.7	88.3	89.1	89.2	9[illegible].7	92.3	92.4	92.7	93.2	94.[illegible]	99.1	
[illegible]	69.4	76.9	81.8	86.1	86.7	88.3	89.1	89.2	90.7	92.3	92.4	92.7	93.7	94.41	[illegible]	

TOTAL NUMBER OF OBSERVATIONS [illegible]

[illegible] CLIMATOLOGY BRANCH

[illegible] THE SERVICE/MAC

AY AIRFIELD [illegible]

CEILING VERSUS VISIBILITY

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	[illegible]	17.[illegible]	17.8	14.7	16.[illegible]	15.1	15.5	15.5	16.[illegible]	16.7	16.3	[illegible].7	16.5	17.1	[illegible]
[illegible].7	13.9	14.8	15.7	1[illegible].7	16.9	17.1	17.5	17.5	18.[illegible]	18.2	17.2	17.6	18.9	19.[illegible]	[illegible]
[illegible]	1[illegible].8	15.1	16.3	17.1	17.3	17.5	17.8	17.8	18.4	18.6	18.6	18.[illegible]	19.[illegible]	19.4	[illegible]
[illegible]	14.[illegible]	15.4	16.3	17.3	17.6	17.7	18.1	18.1	18.6	18.9	18.9	19.3	19.6	19.7	[illegible]
[illegible].7	16.[illegible]	17.5	18.5	19.9	[illegible]	[illegible]	20.7	20.7	21.3	21.5	21.5	21.9	22.2	22.3	[illegible]
[illegible].5	19.5	19.[illegible]	19.0	20.3	20.7	[illegible]	21.3	21.7	21.9	22.[illegible]	22.1	22.4	22.7	22.9	[illegible]
[illegible]	19.6	21.1	22.2	23.6	24.0	24.1	24.7	24.8	25.3	25.6	25.6	26.1	26.4	26.5	[illegible]
[illegible]	19.8	21.4	22.4	27.0	24.3	24.4	24.[illegible]	25.1	25.6	25.9	25.9	26.4	26.5	26.9	[illegible]
[illegible]	22.3	24.1	25.2	26.6	27.[illegible]	27.2	28.0	28.[illegible]	28.7	29.[illegible]	29.0	29.5	29.8	30.1	[illegible]
[illegible]	23.5	25.5	26.5	28.1	2[illegible].5	28.9	29.7	29.9	30.4	30.7	30.7	31.2	31.5	31.8	[illegible]
11.[illegible]	[illegible].0	2[illegible].3	29.4	31.0	31.4	31.8	32.5	32.8	33.3	33.6	33.6	34.1	34.4	34.6	[illegible]
1[illegible].1	[illegible].5	33.8	34.5	35.1	36.5	36.[illegible]	37.7	37.9	38.5	38.7	38.7	39.2	39.5	39.8	[illegible]
1[illegible].1	33.[illegible]	36.1	37.3	39.1	39.6	40.[illegible]	40.8	41.1	41.6	41.9	41.9	42.4	42.7	42.9	[illegible]
1[illegible].4	43.7	44.4	45.9	47.8	48.3	48.7	49.5	49.7	50.3	50.5	52.5	51.7	51.3	51.6	[illegible]
13.[illegible]	49.4	49.7	51.7	53.5	54.1	54.5	55.2	55.6	56.2	56.4	56.4	57.0	57.0	57.5	[illegible]
14.[illegible]	[illegible].3	57.7	56.2	58.4	59.1	59.4	60.2	60.6	61.2	61.4	61.4	61.9	62.2	62.5	[illegible]
14.3	55.4	61.[illegible]	64.2	66.4	67.2	67.7	68.6	69.0	69.5	69.8	69.8	70.7	70.6	77.9	[illegible]
1[illegible].4	62.5	65.6	68.9	71.5	72.3	73.0	74.1	74.5	75.1	75.3	75.3	75.9	76.1	76.4	77.2
14.[illegible]	61.5	65.[illegible]	70.1	73.7	73.5	74.1	75.3	75.7	76.2	76.5	76.5	77.0	77.7	77.6	[illegible]
14.7	62.5	69.0	72.6	75.3	76.2	76.9	78.1	78.6	79.1	79.4	79.4	79.9	8[illegible].2	8[illegible].4	81.2
14.[illegible]	64.6	7[illegible].5	74.[illegible]	76.9	77.8	78.9	80.1	80.6	81.1	81.4	81.4	81.9	82.0	82.[illegible]	[illegible]
14.[illegible]	65.6	71.8	75.3	78.3	79.4	8[illegible].6	81.8	82.4	83.1	83.5	83.5	84.0	84.3	84.6	[illegible]
14.[illegible]	65.6	71.8	75.5	78.7	79.8	81.1	82.3	82.9	83.6	84.1	84.1	84.6	84.9	85.7	[illegible]
14.[illegible]	65.7	72.2	76.1	79.4	80.4	81.8	83.1	83.9	84.8	85.3	85.3	85.8	86.1	86.5	87.[illegible]
14.[illegible]	65.9	72.4	76.5	79.8	8[illegible].8	82.2	83.6	84.4	85.3	85.8	85.8	86.4	86.6	87.0	87.8
14.[illegible]	66.[illegible]	72.[illegible]	76.8	8[illegible].2	81.2	82.5	84.1	85.[illegible]	86.[illegible]	86.5	86.5	87.0	87.3	87.7	88.5
14.[illegible]	66.[illegible]	73.1	77.4	80.8	81.9	83.2	84.9	85.5	86.9	87.5	87.7	88.2	88.5	89.0	89.8
14.[illegible]	67.1	74.0	78.3	81.8	82.8	84.1	86.1	87.1	88.2	88.8	89.[illegible]	89.5	89.8	90.3	91.1
14.[illegible]	67.1	74.[illegible]	78.5	83.2	83.2	84.5	86.5	87.7	89.1	89.9	90.0	90.7	91.2	91.9	92.7
14.[illegible]	67.1	74.[illegible]	78.5	8[illegible].2	83.3	84.8	86.7	88.1	89.8	90.9	91.1	92.7	93.3	94.4	95.8
14.[illegible]	67.1	74.0	78.5	8[illegible].3	83.5	84.9	86.9	88.0	89.9	91.1	91.2	92.8	94.1	95.5	99.6
14.[illegible]	67.1	74.[illegible]	78.5	8[illegible].3	83.5	84.9	86.9	88.0	89.9	91.1	91.2	92.8	94.1	95.51	[illegible]

TOTAL NUMBER OF OBSERVATIONS 762

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	13.9	14.3	14.6	15.2	16.2	15.4	15.9	16.[illegible]	16.1	16.1	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	18.2	18.6	19.2	19.6	19.7	19.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	19.8	20.2	20.7	[illegible]	21.0	21.5	21.7	21.8	21.[illegible]	21.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	21.[illegible]	21.7	22.2	22.3	22.4	23.6	23.1	23.2	23.[illegible]	23.[illegible]	23.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23.2	23.[illegible]	24.5	25.1	25.2	25.3	25.9	[illegible]	26.1	26.1	26.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	25.3	26.1	26.8	27.3	27.4	27.6	28.1	[illegible]	28.3	28.7	28.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.1	30.6	31.5	31.6	31.8	32.3	32.4	32.5	32.7	32.3	32.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	31.[illegible]	31.9	33.5	33.7	33.8	33.3	33.5	33.6	33.5	33.6	33.7	33.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	33.3	37.[illegible]	34.8	35.4	35.6	35.7	36.2	36.5	36.5	36.5	36.6	36.7	36.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.[illegible]	36.[illegible]	37.5	38.2	38.3	38.5	39.[illegible]	39.[illegible]	39.4	39.4	39.4	39.5	39.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	38.[illegible]	39.8	40.4	40.6	40.7	41.3	41.5	41.7	41.7	41.7	41.9	41.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	41.6	47.[illegible]	44.5	45.1	45.3	45.4	46.1	46.5	46.7	46.7	46.7	45.9	46.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	44.5	47.[illegible]	47.5	48.2	48.3	48.4	49.1	49.5	49.7	49.7	49.7	49.9	49.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	50.6	55.1	56.2	57.0	57.1	57.2	58.[illegible]	58.4	58.7	58.7	58.7	58.8	58.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	57.0	59.7	60.8	61.5	61.7	61.8	62.6	63.[illegible]	63.3	63.7	63.7	63.4	63.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	61.2	64.[illegible]	65.6	66.8	66.9	67.2	68.[illegible]	68.4	68.6	68.8	68.8	68.9	68.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	66.[illegible]	69.9	72.4	73.9	74.[illegible]	74.3	75.3	75.7	76.[illegible]	76.1	76.[illegible]	76.1	76.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	72.6	75.[illegible]	77.8	79.8	79.9	81.4	81.8	82.3	82.5	82.7	82.7	82.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	77.9	79.9	78.3	80.4	80.6	81.2	82.5	83.[illegible]	83.3	83.5	83.[illegible]	83.6	83.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	71.5	74.5	79.[illegible]	81.1	81.5	82.3	83.6	84.1	84.5	84.6	84.6	84.9	84.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	72.3	77.7	79.9	80.3	82.7	83.5	84.8	85.7	85.7	85.[illegible]	85.[illegible]	85.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	72.7	74.1	[illegible]	81.2	83.7	84.6	86.1	86.7	87.1	87.3	87.4	87.5	87.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.1	73.[illegible]	81.5	83.7	84.4	85.4	86.9	87.[illegible]	87.[illegible]	88.1	88.[illegible]	88.3	88.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.1	74.5	81.5	83.9	84.8	86.0	87.4	88.1	88.5	88.6	88.7	88.8	88.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	74.[illegible]	81.9	84.3	85.3	86.5	87.9	88.8	89.[illegible]	88.1	88.2	88.4	88.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.5	85.0	86.1	87.3	88.7	89.4	89.8	89.9	9[illegible]	90.2	90.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.5	85.0	86.1	87.2	89.1	91.[illegible]	91.1	91.2	91.7	91.5	91.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.8	85.4	86.5	87.8	89.8	91.[illegible]	91.[illegible]	91.9	92.1	92.3	92.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.8	85.4	86.5	87.5	90.0	91.[illegible]	92.[illegible]	92.[illegible]	92.6	94.1	94.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.8	85.4	86.5	87.8	90.0	91.[illegible]	92.[illegible]	94.[illegible]	94.5	95.1	95.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	79.[illegible]	82.8	85.4	86.5	87.8	90.0	91.[illegible]	92.[illegible]	94.[illegible]	94.5	95.1	96.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.5	79.[illegible]	82.9	85.6	86.6	87.9	90.2	91.[illegible]	92.8	94.1	94.[illegible]	95.7	96.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2

CEILING VERSUS VISIBILITY

[illegible] CLIMATOLOGY BRANCH

[illegible] AFB

[illegible] 75-81 [illegible] 55

PERCENTAGE FREQUENCY OF OCCURRENCE 1[illegible]0-14[illegible]

[illegible] HOURLY OBSERVATIONS

[illegible]	1[illegible].7	1[illegible]	1[illegible]	1[illegible]	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	[illegible]	[illegible]	[illegible]
[illegible]	23.1	23.[illegible]	2[illegible]	2[illegible]	24.[illegible]	24.[illegible]	24.0	24.[illegible]	24.7	24.7	24.7	24.7	24.[illegible]	24.[illegible]	24.[illegible]	24.[illegible]	24.[illegible]
[illegible]	24.1	24.[illegible]	24.8	[illegible]	[illegible]	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
[illegible]	25.2	25.[illegible]	25.7	[illegible]	[illegible]	[illegible]	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
27.4	[illegible]	28.7	28.[illegible]	[illegible]	[illegible]	[illegible]	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
[illegible]	[illegible]	[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.[illegible]	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
[illegible]	33.7	34.1	34.[illegible]	[illegible]	34.[illegible]	34.[illegible]	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
[illegible]	36.7	3[illegible]	[illegible]	3[illegible]	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
41.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4[illegible].8	4[illegible].8	4[illegible].8	4[illegible].8	4[illegible].8	4[illegible].8	4[illegible].8	4[illegible].8
[illegible]	[illegible]	4[illegible].7	4[illegible].6	4[illegible].7	4[illegible]	44.[illegible]	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
[illegible]	44.1	44.[illegible]	44.7	44.[illegible]	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	[illegible]
[illegible]	51.8	52.4	52.[illegible]	[illegible]	[illegible]	53.7	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.7	61.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
[illegible]	67.[illegible]	66.[illegible]	65.[illegible]	[illegible]	66.1	66.7	66.4	66.7	66.9	66.9	66.7	66.7	66.9	66.9	66.9	66.9	66.9
[illegible]	[illegible]	7[illegible].9	72.[illegible]	72.6	73.4	73.6	73.[illegible]	73.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
[illegible]	77.7	7[illegible].4	79.[illegible]	[illegible]	[illegible]	81.1	81.2	81.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
[illegible]	[illegible].3	84.[illegible]	85.4	[illegible]	87.1	87.3	87.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
[illegible]	[illegible]	[illegible]	86.7	86.1	87.1	87.8	87.9	88.1	88.7	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
[illegible]	[illegible].9	86.[illegible]	87.[illegible]	88.[illegible]	89.9	[illegible]	[illegible].2	[illegible].4	[illegible]	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
[illegible]	[illegible].4	87.4	88.[illegible]	[illegible]	91.8	91.5	91.7	92.[illegible]	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.[illegible]
[illegible]	94.9	88.1	89.8	91.9	92.5	93.8	93.2	93.7	94.[illegible]	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
[illegible]	94.9	88.1	89.8	91.9	92.7	93.2	93.6	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
[illegible]	94.9	88.7	89.8	91.9	92.7	93.6	94.[illegible]	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
[illegible]	95.[illegible]	88.7	[illegible]	92.1	92.9	93.8	94.2	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
[illegible]	95.[illegible]	89.5	90.2	92.4	93.2	94.5	95.[illegible]	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
[illegible]	95.[illegible]	89.5	90.3	92.7	93.4	94.9	95.7	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
[illegible]	95.[illegible]	89.[illegible]	90.3	92.9	93.7	95.3	96.2	97.1	97.5	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]	98.[illegible]
[illegible]	95.[illegible]	89.5	90.3	92.8	93.7	95.3	96.3	97.5	98.4	99.1	99.2	99.3	99.5	99.5	99.6		
[illegible]	95.[illegible]	89.5	90.3	92.8	93.7	95.3	96.3	97.5	98.4	99.1	99.2	99.3	99.7	99.9	100.0		
[illegible]	95.2	89.5	90.3	92.8	93.7	95.3	96.3	97.5	98.4	99.1	99.2	99.3	99.7	99.9	100.0		
[illegible]	95.2	89.5	[illegible].3	92.8	93.7	95.[illegible]	96.3	97.5	98.4	99.1	99.2	99.3	99.7	99.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 76[illegible]

2

CEILING VERSUS VISIBILITY

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

[illegible] AFB, FT LEAVENWORTH [illegible] 73-[illegible] [illegible] SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-1700

[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].3	27.3	27.6	27.7	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	[illegible]	28.1
[illegible]	28.2	28.5	28.6	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].1	28.5	28.9	29.1	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
[illegible].8	31.9	32.2	32.3	32.5	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
[illegible].1	34.6	34.9	35.0	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
[illegible].4	36.7	37.0	37.1	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
[illegible].5	[illegible].3	38.6	38.7	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
[illegible].0	42.4	42.7	42.8	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
[illegible].9	44.9	45.1	45.3	45.9	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
[illegible].3	47.5	47.8	47.9	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	52.4	52.8	52.9	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
42.7	56.8	57.2	57.5	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
[illegible].4	64.7	65.2	65.5	65.8	66.8	[illegible].9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
[illegible].5	[illegible].7	70.3	70.6	72.0	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
[illegible].6	76.4	77.2	77.6	79.0	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
[illegible].6	[illegible]	82.2	83.1	84.6	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	[illegible]	[illegible].4
[illegible].7	84.5	86.2	87.8	89.5	89.6	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	[illegible]
[illegible].1	85.2	86.9	88.5	90.3	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
[illegible].1	86.2	88.1	89.6	91.7	91.9	92.9	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
[illegible].2	86.7	88.6	[illegible].3	92.5	92.7	93.8	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1.3	87.3	89.1	[illegible].6	93.3	93.4	94.6	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1.3	87.3	89.1	90.8	93.3	93.6	94.9	95.4	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1.3	87.4	89.2	90.9	93.6	93.8	95.4	96.1	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1.3	87.4	89.2	[illegible].9	93.6	94.0	95.7	96.3	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1.3	87.4	89.2	[illegible].9	93.7	94.2	95.9	96.6	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1.3	87.4	89.2	90.9	93.7	94.2	96.1	97.0	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1.3	87.4	89.2	90.9	93.7	94.2	96.1	97.2	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1.3	87.4	89.2	[illegible].9	93.7	94.2	96.2	97.6	98.0	98.8	99.3	99.3	99.3	99.6	99.6	99.6	[illegible]	[illegible]
1.3	87.4	89.2	90.9	93.7	94.2	96.2	97.6	98.0	98.8	99.3	99.3	99.6	99.9	99.9	99.9	99.9	99.9
1.3	87.4	89.2	90.9	93.7	94.2	96.2	97.6	98.0	98.8	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0
1.3	87.4	89.2	90.9	93.7	94.2	96.2	97.6	98.0	98.8	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 762

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] FOR SERVIC /MAC

CEILING VERSUS VISIBILITY

[illegible] AF/FT LE[illegible] [illegible] 73-8[illegible] [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

[illegible].4	27.3	28.1	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]1.2	31.3	31.8	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
[illegible]1.3	31.4	32.[illegible]	32.5	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	[illegible]	[illegible]	[illegible]
11.4	31.[illegible]	37.5	32.9	32.9	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
1[illegible].1	33.2	34.[illegible]	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
1[illegible].1	35.9	36.6	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
13.[illegible]	37.5	38.3	38.7	38.7	38.7	38.8	38.8	38.9	38.8	38.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8
14.3	39.6	39.5	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
14.[illegible]	40.9	42.1	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0
15.2	44.1	45.7	45.6	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2
15.[illegible]	45.9	48.0	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	[illegible]
1[illegible].7	[illegible].6	52.1	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7
17.1	54.2	55.5	56.6	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5
1[illegible].7	61.4	62.7	63.9	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0
1[illegible].[illegible]	67.5	68.8	70.1	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3
1[illegible].5	73.2	75.1	76.5	77.3	77.4	77.7	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0
1[illegible].9	8[illegible].2	83.6	84.4	85.4	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6
1[illegible].0	82.4	85.8	87.7	88.8	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
1[illegible].0	82.9	86.4	88.2	89.4	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
19.2	84.[illegible]	87.5	89.4	90.6	91.2	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
19.3	84.9	88.5	90.3	91.6	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
19.3	85.2	88.7	90.8	92.1	92.8	93.4	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7
19.3	85.2	88.8	91.3	92.7	93.3	94.0	94.4	94.6	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9
19.3	85.2	88.8	91.3	92.8	93.7	94.4	94.8	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
19.3	85.2	89.1	91.6	93.0	94.0	94.9	95.4	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9
19.3	85.2	89.1	91.9	93.3	94.2	95.1	95.7	95.9	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
19.3	85.2	89.1	91.9	93.3	94.2	95.1	95.9	96.2	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
19.3	85.3	89.2	92.0	93.4	94.4	95.3	96.3	96.7	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
19.3	85.3	89.2	92.0	93.4	94.4	95.3	96.3	96.7	97.2	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
19.3	85.3	89.2	92.0	93.4	94.5	95.4	96.5	97.0	97.5	97.8	97.8	98.4	98.8	98.8	99.0	[illegible]	[illegible]
19.3	85.3	89.2	92.0	93.4	94.5	95.4	96.5	97.0	97.5	97.8	97.8	98.6	99.0	99.0	99.6	[illegible]	[illegible]
19.3	85.3	89.2	92.0	93.4	94.5	95.4	96.5	97.0	97.5	97.8	97.8	98.6	99.0	99.2	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 762

[illegible]

[illegible] CLIMATOLOGY BRANCH
[illegible]
2 [illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT LEWIS WA 73-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1100-2200

[illegible]	24.[illegible]	26.5	27.4	29.0	29.4	30.1	30.7	30.7	31.2	31.5	31.6	31.9	32.0	32.7	32.[illegible]
[illegible]	27.7	29.4	30.3	31.9	32.3	32.9	33.6	33.6	34.1	34.4	34.5	34.8	34.9	35.0	35.0
[illegible]	27.7	29.4	30.3	31.9	32.3	32.9	33.6	33.6	34.1	34.4	34.5	34.8	34.9	35.0	35.0
[illegible]	27.7	29.4	30.3	31.9	32.3	32.9	33.6	33.6	34.1	34.4	34.5	34.8	34.9	35.0	35.0
4.5	26.5	3[illegible].3	31.5	33.2	33.6	34.3	34.9	34.9	35.4	35.7	35.8	36.1	36.2	36.4	36.4
4.7	29.3	31.1	32.3	34.0	34.4	35.0	35.7	35.7	36.2	36.5	36.6	36.9	37.0	37.1	37.1
[illegible].1	31.9	33.7	34.9	36.6	37.0	37.7	38.3	38.3	38.8	39.1	39.2	39.5	39.6	39.8	39.8
[illegible].1	32.2	34.[illegible]	35.2	36.9	37.3	37.9	38.6	38.6	39.1	39.4	39.5	39.8	39.9	40.0	40.0
[illegible].1	34.5	36.4	37.5	39.4	39.8	40.4	41.3	41.3	41.9	42.1	42.3	42.5	42.7	42.8	42.8
[illegible].1	37.8	39.6	40.8	42.7	43.0	43.7	44.6	44.6	45.1	45.4	45.5	45.8	45.9	46.1	46.1
5.4	39.5	41.3	42.5	44.4	44.6	45.4	46.5	46.5	47.0	47.2	47.4	47.6	47.8	47.9	47.9
5.5	44.1	46.[illegible]	47.6	49.6	50.3	50.7	51.7	51.7	52.2	52.5	52.6	52.9	53.0	53.1	53.1
5.[illegible]	47.5	5[illegible]	51.4	53.8	54.2	54.9	55.9	55.9	56.6	56.8	57.0	57.2	57.3	57.5	57.5
5.1	53.7	56.3	57.7	6[illegible].1	60.5	61.2	62.2	62.2	62.9	63.1	63.3	63.5	63.6	63.8	63.8
5.1	59.3	62.7	64.3	66.8	67.2	67.8	68.9	68.9	69.6	69.8	69.9	7[illegible].2	70.3	70.5	70.5
5.1	66.4	69.7	71.4	74.1	74.5	75.2	76.2	76.2	76.9	77.2	77.3	77.6	77.7	77.8	77.8
5.2	72.3	76.7	78.0	81.0	81.4	82.2	83.2	83.2	83.9	84.1	84.3	84.5	84.6	84.8	84.8
5.2	75.9	79.8	81.6	84.8	85.2	86.0	87.0	87.0	87.7	87.9	88.1	88.3	88.5	88.6	88.6
5.2	76.1	80.1	81.9	85.0	85.4	86.2	87.3	87.3	87.9	88.2	88.3	88.6	88.7	88.8	88.8
5.2	77.4	81.4	83.2	86.5	87.0	87.8	88.8	88.8	89.5	89.8	89.9	9[illegible].2	9[illegible].3	90.4	9[illegible].4
5.2	78.6	82.7	84.8	88.1	88.6	89.5	90.6	90.6	91.2	91.5	91.6	91.9	92.0	92.1	92.1
5.2	79.3	83.6	85.7	89.0	89.5	90.4	91.5	91.5	92.1	92.4	92.5	92.8	92.9	93.0	93.0
5.2	79.4	83.7	86.0	89.2	90.0	91.1	92.1	92.3	92.9	93.2	93.3	93.6	93.7	93.8	93.8
5.2	79.4	84.3	86.5	89.9	90.8	91.9	92.9	93.0	93.7	94.0	94.1	94.4	94.5	94.6	94.6
5.2	79.7	84.8	87.0	90.4	91.3	92.4	93.6	93.7	94.4	94.6	94.8	95.0	95.1	95.3	95.3
5.2	79.9	85.1	87.3	91.8	91.7	92.8	94.0	94.1	94.8	95.0	95.1	95.4	95.5	95.7	95.7
5.2	80.6	85.7	87.9	91.6	92.5	93.6	94.8	94.9	95.5	95.8	95.9	96.2	96.3	96.5	96.5
5.2	80.6	85.7	87.9	91.6	92.7	93.7	95.0	95.1	95.8	96.1	96.2	96.5	96.6	96.7	96.7
5.2	8[illegible].6	85.7	87.9	91.6	92.7	93.8	95.1	95.3	95.9	96.2	96.3	96.6	96.9	97.0	97.1
5.2	8[illegible].6	85.7	87.9	91.7	92.8	94.0	95.4	95.7	96.5	96.9	97.0	97.4	97.6	98.2	98.3
5.2	80.6	85.7	87.9	91.7	92.8	94.0	95.4	95.8	96.6	97.0	97.1	97.6	97.9	98.6	99.5
5.2	80.6	85.7	87.9	91.7	92.8	94.0	95.4	95.8	96.6	97.1	97.2	97.9	98.2	96.81	[illegible]

TOTAL NUMBER OF OBSERVATIONS 762

1 [illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS [illegible] 73-83 [illegible] SE

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

7.	18.5	19.5	20.2	21.1	21.2	21.4	21.8	21.8	22.1	22.3	22.3	22.5	22.6	22.6	22.9
[illegible].1	22.2	27.7	24.1	25.0	25.2	25.4	25.7	25.8	26.1	26.3	26.3	26.5	26.6	26.6	26.9
1[illegible]	22.7	23.	24.6	25.5	25.7	25.9	26.2	26.3	26.6	26.8	26.8	27.0	27.1	27.1	27.4
[illegible].5	23.1	24.7	25.7	26.7	26.1	26.4	26.7	26.7	27.1	27.2	27.2	27.5	27.5	27.6	27.9
11.[illegible]	24.9	26.[illegible]	26.9	27.9	28.1	28.3	28.6	28.7	29.0	29.2	29.2	29.4	29.5	29.5	29.8
12.[illegible]	26.5	27.7	28.5	29.5	29.7	30.0	30.3	30.4	30.7	30.9	30.9	31.1	31.2	31.2	31.5
[illegible]	29.0	30.3	31.2	32.2	32.4	32.6	33.0	33.1	33.4	33.6	33.6	33.8	33.9	33.9	34.2
14.4	[illegible]	31.3	32.2	33.3	33.4	33.7	34.1	34.1	34.5	34.6	34.6	34.9	34.9	35.0	35.3
[illegible].1	30.9	34.3	35.2	36.3	36.5	36.8	37.2	37.4	37.7	37.9	37.9	38.1	38.2	38.3	38.6
16.	35.7	37.0	38.1	39.3	39.5	39.9	40.3	40.4	40.8	40.9	41.0	41.2	41.3	41.4	41.6
[illegible].9	37.8	39.4	40.3	41.5	41.7	42.1	42.6	42.7	43.0	43.2	43.2	43.5	43.5	43.6	43.9
1[illegible]	42.6	44.5	45.5	46.9	47.1	47.5	47.9	48.1	48.4	48.6	48.6	48.9	48.9	49.0	49.3
[illegible].1	46.9	47.9	49.0	50.5	50.7	51.1	51.6	51.7	52.1	52.3	52.3	52.6	52.6	52.7	53.0
18.3	52.7	55.1	56.4	58.0	58.3	58.7	59.1	59.4	59.8	60.0	60.0	60.2	60.3	60.4	60.6
1[illegible].0	58.2	60.9	62.3	64.1	64.3	64.9	65.3	65.5	65.9	66.1	66.1	66.4	66.4	66.5	66.8
[illegible]	63.8	67.0	68.5	70.4	70.7	71.1	71.6	71.9	72.3	72.5	72.5	72.8	72.8	72.9	73.2
21.2	6[illegible].7	73.5	75.4	77.4	77.9	78.4	79.0	79.2	79.7	79.9	79.9	80.1	80.2	80.3	80.5
21.[illegible]	73.4	77.6	79.8	82.0	82.5	83.1	83.6	84.0	84.5	84.7	84.7	84.9	85.0	85.1	85.4
21.[illegible]	74.0	78.3	80.5	82.8	83.3	83.9	84.6	84.8	85.3	85.5	85.5	85.7	85.8	85.9	86.2
21.2	75.2	79.7	82.0	84.4	84.9	85.7	86.4	86.7	87.2	87.5	87.5	87.7	87.8	87.9	88.2
21.0	76.2	81.0	83.4	85.9	86.5	87.3	88.0	88.3	88.8	89.1	89.1	89.4	89.4	89.5	89.8
22.	76.8	81.7	84.2	86.9	87.5	88.3	89.1	89.5	90.0	90.3	90.3	90.6	90.6	90.7	91.0
22.0	77.0	81.9	84.6	87.3	87.9	88.9	89.7	90.1	90.7	91.0	91.0	91.3	91.4	91.5	91.7
22.0	77.0	82.1	84.8	87.5	88.3	89.4	90.2	90.7	91.3	91.6	91.7	91.9	92.0	92.1	92.4
22.	77.1	82.3	85.1	87.9	88.7	89.8	90.7	91.2	91.8	92.1	92.2	92.5	92.6	92.7	92.9
22.0	77.3	82.5	85.4	88.3	89.1	90.3	91.2	91.7	92.3	92.7	92.7	93.0	93.1	93.2	93.5
22.0	77.4	82.6	85.7	88.6	89.4	90.6	91.7	92.3	93.1	93.5	93.5	93.9	94.0	94.1	94.4
22.0	77.6	82.9	86.0	89.0	89.9	91.1	92.4	93.0	93.8	94.3	94.3	94.7	94.8	94.9	95.2
22.	77.6	83.	86.0	89.1	90.0	91.4	92.7	93.4	94.4	95.0	95.1	95.5	95.8	95.9	96.3
22.	77.6	83.	86.0	89.1	90.1	91.5	92.8	93.6	94.7	95.5	95.6	96.3	96.7	97.2	97.9
22.0	77.6	83.	86.0	89.2	90.1	91.5	92.9	93.7	94.8	95.6	95.8	96.5	97.0	97.8	99.7
22.0	77.6	83.0	86.0	89.2	90.1	91.5	92.9	93.7	94.8	95.7	95.8	96.5	97.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6296

[illegible]

2

PAL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-2300

3.1	35.8	36.9	37.2	37.6	38.0	38.1	38.2	38.5	38.5	38.9	38.9	38.9	38.9	39.3	39.3
3.6	38.4	39.4	39.7	40.1	40.5	40.6	40.7	41.0	41.0	41.5	41.5	41.5	41.5	41.8	41.8
3.6	38.7	39.8	40.0	40.5	40.9	41.0	41.1	41.3	41.3	41.8	41.8	41.8	41.8	42.2	42.2
3.6	38.8	39.9	40.1	40.6	41.0	41.1	41.2	41.5	41.5	41.9	41.9	41.9	41.9	42.3	42.3
3.6	39.7	40.7	41.0	41.5	41.8	41.9	42.1	42.3	42.3	42.8	42.8	42.8	42.8	43.1	43.1
3.6	40.3	41.3	41.7	42.2	42.5	42.7	42.8	43.0	43.0	43.5	43.5	43.5	43.5	43.8	43.8
3.8	42.3	43.4	43.7	44.2	44.6	44.7	44.8	45.0	45.0	45.5	45.5	45.5	45.5	45.9	45.9
3.8	43.7	44.8	45.2	45.6	46.0	46.1	46.2	46.5	46.5	47.0	47.0	47.0	47.0	47.3	47.3
3.8	47.1	48.1	48.6	49.1	49.5	49.6	49.7	49.9	49.9	50.4	50.4	50.4	50.4	50.9	50.9
4.2	50.2	51.4	51.9	52.4	52.8	52.9	53.0	53.3	53.3	53.8	53.8	53.9	53.9	54.6	54.6
4.2	52.1	53.3	53.6	54.4	54.7	54.8	55.0	55.2	55.2	55.7	55.7	55.8	55.8	56.5	56.5
4.2	56.8	57.9	58.4	59.0	59.4	59.5	59.6	59.9	59.9	60.3	60.3	60.5	60.5	61.2	61.2
4.2	60.0	61.2	61.6	62.2	62.6	62.7	62.8	63.1	63.1	63.6	63.6	63.7	63.7	64.4	64.4
4.2	68.0	69.2	69.7	70.5	70.8	71.0	71.1	71.3	71.3	71.8	71.8	71.9	71.9	72.6	72.6
4.2	74.1	75.4	75.9	76.7	77.1	77.2	77.3	77.9	77.9	78.4	78.4	78.5	78.5	79.2	79.2
4.2	78.7	80.2	80.6	81.5	81.8	82.0	82.1	82.7	82.7	83.2	83.2	83.3	83.3	84.0	84.0
4.3	84.1	85.5	86.0	86.9	87.2	87.5	87.6	88.2	88.2	88.6	88.6	88.8	88.8	89.5	89.5
4.3	87.5	89.4	89.8	91.0	91.4	91.6	91.8	92.4	92.4	92.8	92.8	93.0	93.0	93.7	93.7
4.3	87.7	89.6	90.1	91.3	91.6	91.9	92.0	92.6	92.6	93.1	93.1	93.2	93.2	94.0	94.0
4.3	89.7	91.6	92.2	93.4	93.8	94.1	94.3	94.9	94.9	95.3	95.3	95.5	95.5	96.3	96.3
4.3	90.7	92.6	93.3	94.5	94.9	95.3	95.5	96.1	96.1	96.5	96.5	96.7	96.7	97.5	97.5
4.3	90.8	92.7	93.4	94.9	95.2	95.7	95.8	96.4	96.4	96.9	96.9	97.0	97.0	97.8	97.8
4.3	90.9	92.8	93.5	95.0	95.3	95.8	95.9	96.5	96.5	97.0	97.0	97.1	97.1	98.3	98.3
4.3	91.3	93.2	93.9	95.3	95.7	96.2	96.3	96.9	96.9	97.4	97.4	97.5	97.5	98.7	98.7
4.3	91.3	93.2	93.9	95.3	95.7	96.2	96.3	96.9	96.9	97.4	97.4	97.5	97.5	98.7	98.7
4.3	91.3	93.2	93.9	95.3	95.7	96.2	96.3	96.9	96.9	97.4	97.4	97.5	97.5	98.7	98.7
4.3	91.3	93.2	93.9	95.3	95.7	96.2	96.3	96.9	96.9	97.4	97.4	97.5	97.5	98.7	98.7
4.3	91.3	93.2	94.0	95.6	96.1	96.5	96.7	97.3	97.3	97.8	97.8	98.0	98.0	99.2	99.2
4.3	91.3	93.2	94.0	95.6	96.1	96.7	96.8	97.4	97.4	98.1	98.1	98.2	98.2	99.4	99.4
4.3	91.3	93.2	94.1	95.7	96.2	97.0	97.1	97.8	97.8	98.7	98.7	98.8	98.8	100.0	100.0
4.3	91.3	93.2	94.1	95.7	96.2	97.0	97.1	97.8	97.8	98.7	98.7	98.8	98.8	100.0	100.0
4.3	91.3	93.2	94.1	95.7	96.2	97.0	97.1	97.8	97.8	98.7	98.7	98.8	98.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

2

GLOBAL CLIMATOLOGY BRANCH
USTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA — 73-81 — MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS — 0300-1500

3.[illegible]	29.2	30.2	30.8	31.7	31.9	32.4	32.7	32.7	33.0	33.2	33.2	33.3	33.5	33.8	33.9	
3.1	30.7	31.9	32.6	33.5	33.7	34.2	34.5	34.5	34.8	35.2	35.2	35.1	35.2	35.6	35.9	
3.1	31.1	32.3	33.0	33.8	34.1	34.5	34.9	34.9	35.1	35.4	35.4	35.5	35.6	36.0	36.[illegible]	
3.1	31.1	32.3	33.0	33.8	34.1	34.5	34.9	34.9	35.1	35.4	35.4	35.5	35.[illegible]	36.0	36.[illegible]	
3.1	32.1	33.3	34.1	34.9	35.1	35.6	36.0	36.0	36.2	36.4	36.4	36.6	36.7	37.0	37.[illegible]	
3.1	33.0	34.2	34.9	35.7	36.[illegible]	36.4	36.8	36.8	37.0	37.3	37.3	37.4	37.5	37.9	37.9	
3.2	35.7	36.9	37.6	38.5	38.7	39.2	39.5	39.5	39.8	40.0	40.0	40.1	40.3	40.6	40.6	
3.2	37.2	38.4	39.2	40.3	40.5	41.0	41.3	41.3	41.6	41.8	41.8	41.9	42.1	42.4	42.4	
3.2	41.5	42.7	43.5	44.6	44.8	45.3	45.6	45.6	45.9	46.1	46.1	46.2	46.4	46.7	46.7	
3.[illegible]	44.1	45.3	46.4	47.4	47.8	48.3	48.6	48.6	48.9	49.1	49.1	49.2	49.3	49.8	50.1	
3.[illegible]	46.5	47.7	48.7	49.8	50.2	50.7	51.0	51.0	51.3	51.5	51.5	51.6	51.7	52.0	52.4	
3.[illegible]	51.1	51.3	52.3	53.4	53.8	54.2	54.6	54.6	54.8	55.1	55.1	55.2	55.3	55.8	56.[illegible]	
3.[illegible]	53.5	54.7	55.9	57.0	57.3	57.8	58.2	58.2	58.4	58.8	58.8	58.9	59.0	59.5	59.7	
3.[illegible]	61.2	62.6	63.8	65.2	65.6	66.2	66.5	66.5	66.8	67.1	67.1	67.3	67.4	67.9	68.1	
3.[illegible]	66.8	68.5	69.7	71.3	71.7	72.3	72.6	72.9	73.1	73.5	73.5	73.6	73.7	74.2	74.4	
3.[illegible]	70.8	72.5	73.7	75.4	75.7	76.3	76.7	76.9	77.3	77.7	77.7	77.8	77.9	78.4	78.6	
3.[illegible]	77.5	79.3	81.9	82.9	83.3	84.0	84.3	84.6	84.9	85.3	85.3	85.4	85.5	86.0	86.3	
3.[illegible]	81.5	82.3	83.9	85.9	86.3	87.0	87.3	87.6	87.9	88.3	88.3	88.5	88.6	89.1	89.4	
3.[illegible]	81.1	83.3	84.8	86.9	87.2	87.9	88.3	88.5	88.9	89.2	89.2	89.5	89.6	90.1	90.3	
3.[illegible]	82.4	84.6	86.1	88.2	88.5	89.2	89.7	90.0	90.3	90.7	90.7	90.9	91.0	91.5	91.8	
3.[illegible]	84.7	86.9	88.4	90.7	91.0	91.8	92.2	92.5	92.8	93.3	93.3	93.5	93.7	94.1	94.4	
3.[illegible]	85.1	87.2	88.8	91.2	91.5	92.2	92.7	93.1	93.5	94.0	94.0	94.3	94.4	94.9	95.1	
3.[illegible]	85.9	88.1	89.6	92.0	92.4	93.2	93.7	94.0	94.5	95.0	95.0	95.2	95.3	95.9	96.2	
3.8	85.9	88.1	89.6	92.0	92.4	93.2	93.7	94.0	94.5	95.0	95.0	95.2	95.3	95.9	96.2	
3.8	86.1	88.3	89.8	92.2	92.6	93.4	93.9	94.3	94.7	95.2	95.2	95.5	95.6	96.2	96.4	
3.8	86.3	88.4	90.0	92.4	92.7	93.5	94.0	94.4	94.9	95.3	95.3	95.6	95.7	96.3	96.5	
3.[illegible]	86.3	88.5	90.1	92.7	93.1	93.9	94.5	94.9	95.3	95.8	95.8	96.1	96.2	96.8	97.0	
3.9	86.3	88.5	90.1	93.2	93.7	94.5	95.1	95.5	95.9	96.5	96.5	96.8	96.9	97.5	97.7	
3.9	86.3	88.5	90.1	93.4	93.9	95.0	95.6	96.1	96.5	97.1	97.1	97.4	97.5	98.1	98.3	
3.9	86.3	88.5	90.1	93.5	94.0	95.1	95.9	96.5	97.0	97.7	97.8	98.1	98.2	98.9	99.8	
3.[illegible]	86.3	88.5	90.1	93.5	94.0	95.1	95.9	96.5	97.0	97.7	97.8	98.1	98.2	98.9	99.8	
3.[illegible]	86.3	88.5	90.1	93.5	94.0	95.1	95.9	96.5	97.0	97.7	97.8	98.1	98.2	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible]

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
2 [illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] DAY AAFB/FT LEAVENWORTH KS 73-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

14.5	23.5	24.[illegible]	24.6	25.2	25.4	25.6	26.3	26.4	26.8	26.8	26.8	27.0	27.[illegible]	27.1	27.4		
15.[illegible]	26.3	27.0	27.6	28.3	28.7	28.8	29.5	29.6	30.0	30.[illegible]	30.3	30.3	30.3	30.6	31.[illegible]		
15.[illegible]	26.5	27.2	27.8	28.6	28.9	29.0	29.7	29.9	30.2	30.[illegible]	30.2	30.6	30.6	30.8	31.1		
16.1	27.1	28.1	29.6	29.3	29.6	29.7	30.5	30.6	30.9	30.9	30.9	31.3	31.3	31.5	31.8		
16.5	27.6	28.4	29.0	29.7	30.1	30.2	30.9	31.1	31.4	31.4	31.4	31.8	31.8	32.0	32.3		
17.9	30.2	31.1	31.7	32.4	32.7	32.9	33.6	33.7	34.1	34.1	34.1	34.4	34.4	34.8	35.3		
18.1	30.1	33.0	33.6	34.3	34.6	34.8	35.5	35.6	36.0	36.[illegible]	36.[illegible]	36.3	36.3	36.7	36.9		
18.2	32.4	33.2	33.6	34.6	35.0	35.1	35.8	36.0	36.3	36.3	36.3	36.7	36.9	37.3	37.5		
20.[illegible]	36.2	37.[illegible]	37.6	38.5	38.8	38.9	39.7	39.8	40.1	40.1	40.1	40.5	40.7	41.1	41.3		
21.[illegible]	38.7	39.5	40.1	41.0	41.3	41.5	42.2	42.3	42.7	42.7	42.7	43.0	43.2	43.6	43.8		
22.0	39.5	40.4	41.1	41.9	42.3	42.4	43.1	43.2	43.6	43.6	43.6	44.0	44.2	44.5	44.8		
27.3	43.5	44.6	45.3	46.4	46.7	46.8	47.6	47.7	48.0	48.0	48.0	48.4	48.6	49.0	49.2		
23.9	47.[illegible]	48.0	48.9	49.9	50.3	50.4	51.1	51.3	51.6	51.7	51.7	52.1	52.3	52.7	52.9		
26.0	55.2	56.4	57.7	59.1	59.5	59.6	60.5	60.6	60.9	61.1	61.1	61.4	61.6	62.0	62.2		
27.7	61.9	63.3	64.6	66.2	66.7	66.9	67.7	67.9	68.2	68.5	68.5	68.8	69.1	69.4	69.7		
29.3	67.5	69.5	70.8	72.4	72.9	73.4	74.4	74.6	75.1	75.4	75.4	75.7	76.0	76.3	76.6		
29.8	71.6	74.[illegible]	75.3	76.8	77.3	77.9	79.0	79.1	79.7	79.9	79.9	80.3	80.5	80.9	81.1		
29.2	74.3	77.3	78.7	80.3	80.8	81.4	82.6	82.7	83.3	83.5	83.5	83.9	84.1	84.5	84.7		
29.2	74.9	77.9	79.3	81.0	81.5	82.2	83.4	83.5	84.1	84.3	84.3	84.7	84.9	85.3	85.5		
29.4	76.8	79.9	81.5	83.5	84.0	84.7	85.9	86.0	86.6	86.9	86.9	87.2	87.5	87.8	88.1		
29.7	79.3	83.[illegible]	84.8	87.0	87.5	88.2	89.4	89.5	90.1	90.3	90.3	90.7	90.9	91.3	91.5		
29.7	79.5	83.5	85.3	87.6	88.1	88.8	90.0	90.1	90.7	90.9	90.9	91.3	91.5	91.9	92.1		
30.0	80.0	84.1	85.9	88.2	88.6	89.4	90.6	90.7	91.4	91.6	91.6	92.0	92.2	92.6	92.8		
30.1	80.2	84.2	86.0	88.3	88.8	89.5	90.7	90.8	91.5	91.8	91.8	92.1	92.4	92.7	93.0		
30.1	80.2	84.3	86.1	88.4	88.9	89.6	90.8	90.9	91.6	92.0	92.0	92.4	92.6	93.0	93.2		
30.1	80.2	84.3	86.5	88.8	89.2	90.0	91.2	91.3	92.0	92.4	92.4	92.7	93.0	93.3	93.5		
30.1	80.4	84.7	86.9	89.4	89.8	90.7	91.9	92.0	92.7	93.1	93.1	93.4	93.7	94.0	94.3		
30.1	80.4	84.8	87.0	89.6	90.2	91.0	92.2	92.7	93.4	93.8	93.8	94.3	94.5	94.9	95.5		
30.1	80.4	84.8	87.0	89.6	90.4	91.4	92.8	93.3	94.1	94.6	94.6	95.1	95.3	96.1	96.7		
30.1	80.4	84.8	87.0	89.6	90.4	91.6	93.4	94.0	94.9	95.3	95.3	96.1	96.5	97.6	98.9		
30.1	80.4	84.8	87.0	89.6	90.4	91.6	93.4	94.[illegible]	95.0	95.6	95.6	96.3	96.9	98.[illegible]	99.9		
30.1	80.5	84.9	87.1	89.7	90.6	91.8	93.5	94.1	95.1	95.7	95.7	96.4	96.9	98.4	100.0		

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible]

2

CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

TINKER AAF/FT LEWIS WA — 73-81 — MAY

PERCENTAGE FREQUENCY OF OCCURRENCE — 0000-1100
FROM HOURLY OBSERVATIONS

1	23.2	23.9	24.[illegible]	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4
22.[illegible]	27.0	27.7	27.8	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.4
22.[illegible]	27.2	28.[illegible]	28.1	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.6	28.6	28.7	28.7	28.7	28.7
22.[illegible]	27.6	28.6	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.2	29.3	29.3	29.3	29.3
27.[illegible]	28.7	29.6	29.7	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.[illegible]	30.3	30.3	30.3	30.3
29.[illegible]	29.7	30.[illegible]	30.9	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.5	31.5
28.[illegible]	32.4	33.[illegible]	33.6	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.4
27.7	33.3	34.5	34.8	35.1	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.7	35.7	35.8	35.8	35.8	35.8
30.9	36.2	37.4	37.8	38.1	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.7	38.7	38.8	38.8	38.8	38.8
31.4	39.2	40.4	40.7	41.1	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.7	41.7	41.8	41.8	41.8	41.8
32.[illegible]	41.6	42.[illegible]	43.1	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.8	44.1	44.1	44.2	44.2	44.2	44.2
34.[illegible]	46.1	47.9	48.4	49.0	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.6	49.6	49.7	49.7	49.7	49.7
36.2	49.3	51.1	51.7	52.3	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.9	52.9	53.0	53.0	53.0	53.0
40.4	57.6	59.6	6[illegible].3	61.1	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.6	61.6	61.8	61.8	61.8	61.8
43.5	65.7	68.1	68.9	69.9	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.6	70.6	70.7	70.7	70.7	70.7
45.[illegible]	71.1	74.[illegible]	74.8	75.7	76.0	76.0	76.1	76.1	76.3	76.5	76.5	76.7	76.7	76.8	76.8	76.8	76.8
46.[illegible]	74.8	77.9	79.2	8[illegible].3	80.5	80.5	80.6	80.6	80.9	81.0	81.0	81.2	81.2	81.4	81.4	81.4	81.4
47.1	78.4	82.1	83.8	84.9	85.3	85.4	85.5	85.5	85.8	85.9	85.9	86.1	86.1	86.3	86.3	86.3	86.3
48.3	78.9	82.6	84.2	85.4	85.8	86.[illegible]	86.1	86.1	86.4	86.5	86.5	86.7	86.7	86.9	86.9	86.9	86.9
47.6	82.4	86.9	88.6	90.0	90.3	90.6	90.7	90.7	90.9	91.[illegible]	91.[illegible]	91.3	91.3	91.4	91.4	91.4	91.4
49.3	83.8	88.[illegible]	91.2	91.6	92.0	92.4	92.5	92.5	92.7	92.8	92.8	93.1	93.1	93.2	93.2	93.2	93.2
[illegible].1	84.6	89.6	91.6	93.4	93.8	94.1	94.3	94.3	94.5	94.6	94.6	94.9	94.9	95.0	95.0	95.0	95.0
50.1	84.8	89.8	91.9	93.9	94.3	94.6	94.7	94.7	95.0	95.1	95.1	95.3	95.3	95.5	95.5	95.5	95.5
50.2	85.2	90.3	92.4	94.4	94.7	95.1	95.2	95.2	95.5	95.6	95.6	95.8	95.8	95.9	95.9	95.9	95.9
[illegible].3	85.3	90.6	92.7	94.7	95.2	95.6	95.8	95.[illegible]	96.1	96.2	96.2	96.4	96.4	96.5	96.5	96.5	96.5
[illegible].3	85.3	90.6	92.7	94.7	95.2	95.8	96.1	96.1	96.3	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.8
50.3	85.4	90.7	92.8	94.9	95.3	95.9	96.4	96.4	96.7	96.9	96.9	97.1	97.1	97.3	97.3	97.3	97.3
50.3	85.4	90.7	93.0	95.0	95.5	96.3	96.8	96.8	97.0	97.3	97.4	97.7	97.7	97.8	97.8	97.8	97.8
50.3	85.4	90.7	93.0	95.0	95.5	96.3	96.9	96.9	97.3	97.6	97.7	98.1	98.1	98.2	98.3	98.3	98.3
[illegible].3	85.4	90.7	93.0	95.0	95.5	96.3	96.9	96.9	97.3	97.7	97.8	98.3	98.7	98.8	99.2	99.2	99.2
50.3	85.4	90.7	93.0	95.0	95.5	96.3	96.9	96.9	97.3	97.7	97.8	98.3	98.7	99.0	99.6	99.6	99.6
[illegible].3	85.4	90.7	93.0	95.0	95.5	96.3	96.9	96.9	97.3	97.7	97.8	98.3	98.7	99.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

2

RAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

[illegible]	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
[illegible]	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
[illegible]	32.5	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
[illegible]	33.9	33.9	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
1.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
[illegible]	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
[illegible]	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
[illegible]	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
[illegible]	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
[illegible]	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
[illegible]	49.0	49.1	49.1	49.3	49.3	49.3	48.3	49.3	48.3	49.3	49.3	49.3	49.3	49.3	49.3
43.3	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
[illegible]	55.8	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
[illegible]	61.5	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
[illegible]	69.4	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
[illegible]	77.5	78.7	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
[illegible]	83.8	84.7	85.5	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
1.4	89.3	90.8	91.6	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
[illegible]	90.3	91.4	92.2	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
61.3	93.4	94.5	95.3	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
61.3	94.5	95.8	96.9	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
61.3	94.6	95.9	97.0	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
61.3	94.7	96.2	97.3	97.7	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
61.3	94.7	96.2	97.3	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
61.3	94.7	96.3	97.4	98.6	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
61.3	94.7	96.3	97.5	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
61.3	94.7	96.4	97.6	98.9	99.3	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.
61.3	94.7	96.5	97.7	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
61.3	94.7	96.5	97.7	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
61.3	94.7	96.5	97.7	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
61.3	94.7	96.5	97.7	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
61.3	94.7	96.5	97.7	99.0	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 277

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2

AL CLIMATOLOGY BRANCH
ETAC
ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

RAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	28.9	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
[illegible]	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
[illegible]	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
33.7	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
[illegible]	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
[illegible]	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
[illegible]	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
[illegible]	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
[illegible]	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
[illegible]	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	53.2	[illegible]	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
[illegible]	[illegible]	[illegible]	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
[illegible]	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
[illegible]	68.6	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
[illegible]	76.5	77.2	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
[illegible]	83.2	[illegible]	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
[illegible]	88.3	89.4	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
[illegible]	92.7	93.9	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
[illegible]	93.1	94.3	95.0	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
[illegible]	94.5	95.7	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
[illegible]	95.2	96.7	97.7	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6
[illegible]	95.2	96.7	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
[illegible]	95.2	96.7	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
[illegible]	95.2	96.7	98.0	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
[illegible]	95.2	96.8	98.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
[illegible]	95.2	96.8	98.1	98.9	[illegible]	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
[illegible]	95.3	96.9	98.2	[illegible]	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
[illegible]	95.3	97.0	98.3	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
[illegible]	95.3	97.0	98.3	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
[illegible]	95.5	97.1	98.4	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
[illegible]	95.5	97.1	98.4	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
[illegible]	95.5	97.1	98.4	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

2

CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 73-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
[illegible]	37.3	[illegible]	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
[illegible]	38.2	[illegible]	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
[illegible]	38.3	[illegible]	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
[illegible]	[illegible]	[illegible]	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
[illegible]	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
[illegible]	45.9	[illegible]	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
[illegible]	46.8	[illegible]	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
[illegible]	[illegible]	[illegible]	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
[illegible]	52.9	52.9	53.1	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
[illegible]	55.7	55.7	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
[illegible]	61.5	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
[illegible]	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
31.5	71.3	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
[illegible]	[illegible]	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
34.1	84.4	85.6	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
34.4	[illegible]	[illegible]	92.3	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
[illegible]	92.9	94.5	94.9	95.2	95.2	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
[illegible]	93.2	94.7	95.1	95.5	95.5	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
[illegible]	93.9	95.6	96.2	96.5	96.5	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
[illegible]	94.7	96.4	97.1	97.5	97.5	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
[illegible]	[illegible]	96.7	97.4	98.0	[illegible]	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
[illegible]	[illegible]	96.4	97.5	98.1	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
[illegible]	[illegible]	96.9	97.6	98.2	98.2	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
[illegible]	[illegible]	97.1	97.7	98.3	98.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	[illegible]	97.1	97.8	98.4	98.4	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	[illegible]	97.1	97.8	98.4	[illegible]	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	[illegible]	97.1	97.8	98.6	98.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
[illegible]	95.7	97.4	98.1	98.8	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
35.3	95.7	97.4	98.1	98.8	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
35.3	95.7	97.4	98.1	98.8	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
35.3	95.7	97.4	98.1	98.8	98.9	99.2	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

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2

CEILING VERSUS VISIBILITY

[illegible]	[illegible]	36.4	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	39.5	40.5	[illegible]	[illegible]	40.7	40.9	40.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.2	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.5	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	43.7	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	44.1	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	46.7	47.4	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	48.7	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	51.6	52.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	54.7	55.[illegible]	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	56.5	57.2	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	63.1	63.8	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	66.2	66.[illegible]	66.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	73.[illegible]	73.[illegible]	73.7	74.3	74.4	74.6	74.6	74.6	74.6	74.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	79.9	79.[illegible]	79.8	80.4	[illegible]	80.6	80.6	80.6	81.[illegible]	81.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	84.1	84.8	85.8	85.9	86.0	86.0	86.4	86.4	86.4	86.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	89.[illegible]	89.4	[illegible]	[illegible]	90.4	90.8	90.8	91.2	91.2	91.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	92.[illegible]	93.4	94.4	94.5	95.0	95.0	95.0	95.0	95.0	95.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	92.[illegible]	94.0	[illegible]	95.1	95.6	95.6	96.1	96.1	96.1	96.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	93.[illegible]	95.2	96.2	96.3	96.8	96.9	97.4	97.4	97.4	97.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	94.5	96.1	97.0	97.1	97.6	97.7	98.0	98.2	98.2	98.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.[illegible]	96.4	97.4	97.5	98.0	98.1	98.6	98.6	98.5	98.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.[illegible]	96.4	97.4	97.5	98.0	98.1	98.6	98.6	98.5	98.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.1	96.5	97.5	97.6	98.1	98.2	98.7	98.7	98.7	98.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.1	96.7	97.6	97.7	98.2	98.3	98.8	98.8	98.8	98.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.1	96.7	97.6	97.8	98.4	98.6	99.0	99.0	99.0	99.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.1	96.8	97.7	98.[illegible]	98.6	98.7	99.0	99.2	99.2	99.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.0	97.0	98.1	98.3	98.9	99.2	99.6	99.6	99.6	99.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.3	97.1	[illegible]	98.4	99.0	99.3	99.8	99.9	99.9	99.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.3	97.1	98.2	98.4	99.0	99.3	99.8	99.9	99.9	99.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	95.3	97.1	98.2	98.4	99.0	99.3	99.8	99.9	99.9	99.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

CEILING VERSUS VISIBILITY

[illegible]

[illegible]

[illegible]

CEILING VERSUS VISIBILITY

[illegible] 73-61

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	[illegible]	47.5	45.6	45.7	43.7	43.8	44.[illegible]	44.[illegible]	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.[illegible]
[illegible]	46.[illegible]	47.7	47.4	47.5	47.5	47.7	47.8	47.8	48.[illegible]	48.[illegible]	48.[illegible]	48.3	48.[illegible]	48.[illegible]	48.[illegible]	[illegible]
[illegible]	47.[illegible]	47.7	47.8	47.9	47.9	48.0	48.1	48.1	48.4	48.4	48.4	48.6	48.6	48.8	48.8	[illegible]
[illegible]	47.2	47.7	47.8	47.9	47.9	48.0	48.1	48.1	48.4	48.4	48.4	48.6	48.6	48.8	48.8	48.3
[illegible]	47.3	47.8	47.9	48.0	48.[illegible]	48.3	48.4	48.5	48.6	48.6	48.6	48.9	48.9	48.[illegible]	48.[illegible]	[illegible]
[illegible]	48.4	48.9	5[illegible].0	5[illegible].1	5[illegible].1	5[illegible].4	50.5	5[illegible].5	50.7	5[illegible].7	51.7	51.0	51.0	51.1	51.1	51.2
[illegible]	51.7	5[illegible].2	53.3	53.5	53.5	53.7	53.8	5[illegible].8	54.1	54.1	54.1	54.3	54.3	54.4	54.4	[illegible]
[illegible]	54.3	54.8	54.9	55.1	55.1	55.3	55.4	55.4	55.7	55.7	55.7	55.9	55.9	56.[illegible]	56.[illegible]	[illegible]
[illegible]	57.2	57.8	57.9	58.[illegible]	58.[illegible]	58.3	58.4	58.4	58.6	58.6	58.6	58.9	58.9	59.[illegible]	[illegible]	[illegible]
[illegible]	59.4	6[illegible].[illegible]	60.1	60.2	60.2	60.5	60.6	60.6	60.9	60.9	60.9	61.1	61.1	61.2	61.2	[illegible]
[illegible]	61.7	61.8	61.7	61.9	61.9	62.1	62.2	62.2	62.5	62.5	62.5	62.7	62.7	62.8	62.8	[illegible]
[illegible]	67.2	67.[illegible]	6[illegible].0	6[illegible].1	68.1	68.4	68.6	68.6	69.0	69.[illegible]	69.[illegible]	69.3	69.3	69.4	69.4	[illegible]
[illegible]	[illegible].9	71.7	72.[illegible]	72.1	72.1	72.3	72.6	72.6	72.[illegible]	73.0	73.0	73.2	73.2	73.3	73.3	[illegible]
[illegible]	75.8	76.7	76.9	77.[illegible]	77.[illegible]	77.4	77.7	77.7	78.[illegible]	78.0	78.[illegible]	78.3	78.3	78.4	78.4	[illegible]
[illegible]	79.1	80.[illegible]	80.2	80.4	8[illegible].4	8[illegible].7	81.[illegible]	81.[illegible]	81.4	81.4	81.4	81.6	81.6	81.7	81.7	[illegible]
[illegible]	84.[illegible]	85.8	85.4	85.6	85.6	85.9	86.3	86.3	86.7	86.7	86.7	86.9	86.9	87.[illegible]	87.[illegible]	[illegible]
[illegible]	87.4	87.9	88.1	88.3	88.3	88.6	89.0	89.0	89.4	89.4	89.4	89.6	89.6	89.8	89.8	[illegible]
[illegible]	89.8	9[illegible].[illegible]	91.5	91.6	91.6	92.[illegible]	92.3	92.3	92.7	92.7	92.7	92.9	92.9	93.1	93.1	[illegible]
[illegible]	90.4	91.8	92.5	92.6	92.6	93.[illegible]	93.3	93.3	93.7	93.7	93.7	94.[illegible]	94.[illegible]	94.1	94.1	[illegible]
[illegible]	93.3	97.[illegible]	94.3	94.4	94.4	94.8	95.2	95.2	95.6	95.6	95.6	95.8	95.8	95.9	95.9	[illegible]
[illegible]	93.7	94.4	95.2	95.3	95.3	95.7	96.2	96.2	96.5	96.5	96.5	96.8	96.8	96.9	96.9	[illegible]
[illegible]	93.[illegible]	94.[illegible]	95.4	95.6	95.6	95.9	96.4	96.4	96.8	96.8	96.8	97.2	97.2	97.2	97.2	[illegible]
[illegible]	97.1	94.9	95.6	95.7	95.7	96.[illegible]	96.5	96.5	96.9	96.9	96.9	97.2	97.2	97.3	97.3	[illegible]
[illegible]	97.7	95.6	96.3	96.4	96.4	96.8	97.2	97.2	97.7	97.7	97.7	97.9	97.9	98.[illegible]	98.[illegible]	[illegible]
[illegible]	97.9	95.7	96.4	96.5	96.5	96.9	97.4	97.4	97.8	97.8	97.8	98.[illegible]	98.[illegible]	98.1	98.1	[illegible]
[illegible]	94.1	95.[illegible]	96.7	96.8	96.8	97.3	97.8	97.8	[illegible].1	98.1	98.1	98.4	98.4	98.5	98.5	[illegible]
[illegible]	94.1	96.[illegible]	96.9	97.[illegible]	97.0	97.5	98.[illegible]	98.[illegible]	98.4	98.4	98.4	98.6	98.6	98.8	98.8	[illegible]
[illegible]	94.1	96.2	96.9	97.0	97.0	97.7	98.1	98.1	98.5	98.5	98.5	98.8	98.8	98.9	98.9	[illegible]
[illegible]	94.1	96.2	96.[illegible]	97.2	97.2	97.8	98.4	98.4	98.8	98.8	98.8	99.[illegible]	99.[illegible]	99.1	99.1	[illegible]
[illegible]	94.1	96.[illegible]	96.9	97.3	97.3	97.9	98.5	98.5	98.9	98.9	98.9	99.5	99.6	99.8	99.8	[illegible]
[illegible]	94.1	96.2	96.9	97.3	97.3	97.9	98.5	98.5	98.9	98.9	98.9	99.9	99.9	100.0	100.0	[illegible]
[illegible]	94.1	96.2	96.9	97.3	97.3	97.9	98.5	98.5	98.9	98.9	98.9	99.9	99.9	100.0	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS 812

CEILING VERSUS VISIBILITY

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] OPR, [illegible] AMAC

[illegible] MAY MARKET LEWISTON, [illegible] 72-61 [illegible] 66

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-[illegible]

.5	37.2	37.8	38.3	39.1	39.1	39.4	39.5	39.6	39.8	39.8	39.8	40.0	40.0	40.0	40.0	[illegible]
6.1	40.6	41.2	42.1	42.8	42.8	43.1	43.2	43.3	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7
6.1	40.9	41.5	42.2	43.1	43.1	43.3	43.5	43.6	43.7	43.7	43.7	44.0	44.0	44.0	44.0	44.0
[illegible]	[illegible]	41.5	42.2	43.1	43.1	43.3	43.5	43.6	43.7	43.7	43.7	44.0	44.0	44.0	44.0	44.0
7.1	41.7	42.7	43.1	44.0	44.0	44.2	44.3	44.4	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9
7.1	42.1	43.7	44.4	45.3	45.3	45.6	45.7	45.9	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3
7.1	46.0	46.7	47.4	48.3	48.3	48.5	48.6	48.8	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3
7.1	47.3	47.9	48.6	49.5	49.5	49.8	49.9	50.2	50.2	50.2	50.2	50.5	50.5	50.5	50.5	50.5
7.6	[illegible]	51.6	51.4	52.2	52.2	52.5	52.6	52.7	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2
7.9	51.9	52.9	53.2	54.1	54.1	54.3	54.4	54.6	54.8	54.8	54.8	55.1	55.1	55.1	55.1	55.1
7.9	52.2	53.1	54.6	55.4	55.4	55.7	55.8	55.9	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4
[illegible]	59.9	59.9	60.4	61.2	61.2	61.5	61.7	61.9	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3
[illegible]	62.7	63.5	64.2	65.2	65.2	65.4	65.7	65.8	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3
[illegible]	67.1	67.8	69.5	69.5	69.5	69.8	70.1	70.1	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6
[illegible]	73.2	73.2	74.2	75.2	75.2	75.4	75.7	75.8	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3
[illegible]	77.4	79.6	79.9	81.9	80.9	81.1	81.4	81.5	81.7	81.7	81.7	82.1	82.1	82.1	82.1	82.1
[illegible]	[illegible]	83.0	83.3	84.6	84.7	85.1	85.3	85.4	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9
[illegible]	83.8	85.4	86.9	88.1	88.3	88.6	88.9	89.0	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5
[illegible]	84.7	86.3	87.8	89.0	89.1	89.5	89.8	89.9	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4
[illegible]	86.3	87.9	89.4	90.7	90.9	91.2	91.5	91.6	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1
[illegible]	86.9	88.5	90.0	91.4	91.5	91.9	92.1	92.2	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7
[illegible]	87.4	89.0	90.5	92.0	92.1	92.5	92.7	92.8	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3
[illegible]	87.9	89.5	91.1	92.6	92.7	93.1	93.3	93.5	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0
[illegible]	88.4	90.1	91.8	93.1	93.2	93.6	93.8	94.0	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4
[illegible]	88.7	90.7	92.3	93.8	94.0	94.3	94.6	94.7	94.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2
[illegible]	88.5	91.4	93.1	94.4	94.6	94.9	95.2	95.3	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8
[illegible]	88.8	91.7	93.5	95.1	95.2	95.6	95.8	95.9	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4
[illegible]	88.9	91.9	93.6	95.3	95.4	95.8	96.0	96.2	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7
[illegible]	88.9	91.9	93.6	95.3	95.4	95.8	96.2	96.3	96.5	96.5	96.5	96.8	96.8	97.0	97.0	97.0
[illegible]	88.9	91.9	93.7	95.4	95.8	96.2	96.9	97.0	97.3	97.4	97.4	97.8	98.0	98.4	98.4	98.4
[illegible]	88.9	91.9	93.7	95.7	96.0	96.4	97.2	97.3	97.8	97.9	98.0	98.4	98.6	98.4	98.4	98.4
[illegible]	88.9	91.9	93.7	95.7	96.0	96.4	97.2	97.3	97.8	97.9	98.0	98.4	98.6	98.4	98.4	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

2

[illegible]AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE /MAC

CEILING VERSUS VISIBILITY

[illegible] FAY AAF/FT LE[illegible] 73-81 [illegible] APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.7	35.9	35.9	36.2	36.3	36.4	36.5	36.5	36.7	36.8	36.8	37.1	37.1	37.1	37.1	[illegible]	[illegible]
[illegible]	34.7	36.0	36.0	36.3	36.4	36.5	36.7	36.7	36.8	36.9	36.9	37.2	37.3	37.4	37.[illegible]	[illegible]	[illegible]
24.[illegible]	34.9	36.7	36.3	36.5	36.7	36.8	36.9	36.9	37.0	37.2	37.2	37.4	37.5	37.7	37.7	[illegible]	[illegible]
[illegible].7	37.2	38.5	38.5	38.8	38.9	39.1	39.1	39.1	39.3	39.4	39.4	39.6	39.8	39.9	39.9	[illegible]	[illegible]
[illegible].3	39.5	4[illegible]	41.9	41.1	41.2	41.4	41.5	41.5	41.6	41.7	41.7	42.0	42.1	42.2	42.2	[illegible]	[illegible]
[illegible]	42.7	44.1	44.1	44.3	44.4	44.6	44.7	44.7	44.8	44.9	44.9	45.2	45.3	45.4	45.4	[illegible]	[illegible]
[illegible]	43.2	44.6	44.6	44.8	44.9	45.1	45.2	45.2	45.3	45.4	45.4	45.7	45.8	45.9	45.9	[illegible]	[illegible]
32.7	46.3	47.7	47.7	48.0	48.1	48.3	48.4	48.4	48.5	48.6	48.6	48.9	49.0	49.1	49.1	[illegible]	[illegible]
34.[illegible]	47.9	51.2	51.2	51.6	51.7	51.9	52.[illegible]	52.1	52.1	52.2	52.2	52.5	52.6	52.7	52.7	[illegible]	[illegible]
[illegible]	51.0	52.3	52.3	52.8	53.[illegible]	53.2	53.3	53.7	53.7	53.8	53.8	54.1	54.2	54.3	54.[illegible]	[illegible]	[illegible]
[illegible].4	56.9	56.4	56.7	57.2	57.3	57.5	57.7	57.7	58.[illegible]	58.1	58.1	58.4	58.5	58.6	58.6	[illegible]	[illegible]
[illegible].5	57.8	59.4	59.6	6[illegible].2	60.4	60.6	60.7	60.9	61.2	61.5	61.5	61.7	62.0	62.1	62.1	[illegible]	[illegible]
[illegible].5	63.[illegible]	64.4	64.7	65.3	65.4	65.7	65.8	65.9	66.3	66.5	66.5	66.8	67.0	67.2	67.2	[illegible]	[illegible]
1.4	67.0	68.5	68.9	69.5	69.6	70.1	70.4	70.5	70.9	71.1	71.1	71.4	71.6	71.7	71.7	[illegible]	[illegible]
[illegible].5	71.2	72.5	73.2	73.8	74.0	74.4	74.7	74.9	75.2	75.4	75.4	75.7	75.9	76.[illegible]	76.[illegible]	[illegible]	[illegible]
3.8	75.6	77.7	77.9	78.6	78.9	79.4	79.6	79.9	80.1	80.4	80.4	80.6	80.9	81.0	81.[illegible]	[illegible]	[illegible]
4.6	78.4	8[illegible].6	81.6	82.3	82.6	83.1	83.5	83.6	84.0	84.7	84.3	84.6	84.8	84.9	84.9	[illegible]	[illegible]
44.7	79.0	81.2	82.2	83.0	83.2	83.7	84.1	84.2	84.6	84.9	84.9	85.2	85.4	85.6	85.6	[illegible]	[illegible]
45.1	81.4	83.7	84.9	85.7	85.9	86.4	86.8	86.9	87.3	87.7	87.7	87.9	88.1	88.3	88.3	[illegible]	[illegible]
45.6	83.1	85.6	87.0	88.0	88.3	89.0	89.4	89.5	89.9	90.2	90.2	91.5	9[illegible].7	92.9	92.9	[illegible]	[illegible]
45.6	83.3	85.9	87.4	88.4	88.6	89.4	89.8	89.9	90.2	90.6	90.6	90.9	91.1	91.2	91.2	[illegible]	[illegible]
45.6	84.1	86.8	88.3	89.4	89.6	90.4	90.7	90.9	91.2	91.6	91.6	91.9	92.1	92.2	92.2	[illegible]	[illegible]
45.6	84.4	87.7	88.8	90.0	90.2	91.1	91.5	91.6	92.[illegible]	92.3	92.3	92.6	92.8	93.0	93.[illegible]	[illegible]	[illegible]
45.6	84.8	87.9	89.5	90.7	91.0	91.9	92.2	92.3	92.7	93.1	93.1	93.3	93.6	93.7	93.7	[illegible]	[illegible]
45.6	84.9	88.1	90.2	91.6	91.9	92.7	93.1	93.2	93.6	94.0	94.2	94.2	94.4	94.6	94.6	[illegible]	[illegible]
45.6	85.2	88.5	9[illegible].6	92.1	92.3	93.2	93.6	93.7	94.2	94.6	94.6	94.8	95.1	95.3	95.3	[illegible]	[illegible]
45.6	85.3	88.8	90.9	92.6	93.[illegible]	93.3	94.2	94.3	94.8	95.2	95.2	95.4	95.7	95.8	95.8	[illegible]	[illegible]
45.6	85.3	88.9	91.0	93.0	93.3	94.2	94.8	94.9	95.4	95.8	95.8	96.0	96.4	96.7	96.7	[illegible]	[illegible]
45.6	85.3	88.9	91.[illegible]	93.2	93.6	94.[illegible]	95.2	95.4	95.9	96.5	96.5	97.0	97.5	98.1	98.1	[illegible]	[illegible]
45.6	85.3	88.9	91.[illegible]	93.2	93.6	94.6	95.2	95.4	95.9	96.5	96.5	97.0	97.7	98.8	99.5	[illegible]	[illegible]
45.6	85.3	88.9	91.0	93.2	93.6	94.6	95.2	95.4	95.9	96.5	96.5	97.3	97.9	99.0	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 810

2

CEILING VERSUS VISIBILITY

AY AAFXFT LEWIS, AK 72-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

.4	31.	31.7	31.7	31.7	31.7	31.9	31.9	31.	31.9	31.	31.9	31.9	31.9	31.9	31.	
.4	36.2	36.9	36.9	37.	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	
.3	36.	37.5	37.5	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	
.3	37.7	38.4	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	
.3	39.	39.8	39.8	39.9	39.9	40.	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.	
7.1	41.5	42.2	42.2	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	
34.	44.0	44.7	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	
34.	44.2	44.9	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
36.	47.3	48.	48.0	48.1	48.1	48.3	48.3	48.	48.3	48.3	48.3	48.3	48.	48.3	48.3	
37.3	49.3	5 .	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
.	51.7	52.5	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	
.	55.8	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.	57.	57.0	57.	57.	57.	
52.5	57.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	
4	62.1	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
.1	68.6	69.9	70.0	70.5	7 .5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.	70.	
.1	7 .4	76.5	77.0	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
5.4	81.0	83.1	83.5	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
37.3	86.5	88.5	89.1	9 .0	90.0	90.1	90.1	90.	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
87.7	87.5	89.3	89.9	9 .7	90.7	90.9	90.9	90.9	9 .9	90.9	90.9	90.9	90.9	90.9	90.9	
8.6	90.7	92.6	93.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
.6	91.5	93.9	94.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
59.9	91.7	94.8	95.6	97.0	97.0	97.2	97.2	97.	97.2	97.0	97.0	97.2	97.0	97.0	97.0	
59.7	93.2	95.3	96.	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
59.1	93.5	95.7	96.4	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
59.1	93.5	95.8	96.5	9 .1	98.1	98.4	98.5	98.5	96.5	98.5	98.5	98.5	98.	98.5	98.	
59.	93.7	96.	96.8	99.4	98.4	98.6	98.8	98.8	98.6	98.8	98.8	98.8	98.8	98.8	98.8	
59.7	93.8	96.2	97.0	98.6	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
59.1	93.9	96.2	97.0	98.8	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
59.1	93.8	96.3	97.2	98.9	98.9	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
59.	93.8	96.3	97.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
59.	93.8	96.3	97.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
59.3	93.8	96.3	97.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS _____ 615

2

AL CLIMATOLOGY BRANCH
TAC
AIR WEATHER SERVICE/MAC

GRAY AAF/FT LEWIS WA   73-81   [illegible]

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

[illegible]	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
[illegible]	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
34.	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
[illegible]	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
[illegible]	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
[illegible]	[illegible]	[illegible]	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
[illegible]	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
[illegible]	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
[illegible]	[illegible]	[illegible]	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
41.7	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
[illegible]	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
[illegible]	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
[illegible]	[illegible]	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
[illegible]	65.4	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
[illegible]	73.6	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
[illegible]	85.3	[illegible]	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
[illegible]	91.1	91.9	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
[illegible]	95.3	96.3	[illegible]	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
[illegible]	95.4	96.4	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
[illegible]	95.9	96.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
[illegible]	96.4	97.5	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
67.3	96.7	98.1	[illegible]	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
67.4	96.9	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
67.4	96.9	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.4	97.0	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

2

AL CLIMATOLOGY BRANCH
TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

AAF/FT LEWIS WA 73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

[illegible]	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
[illegible]	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
41.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
41.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
43.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
44.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
[illegible]	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
[illegible]	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
[illegible]	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	56.9	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
[illegible]	64.1	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
[illegible]	66.2	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
[illegible]	70.4	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
[illegible]	80.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	87.0	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
[illegible]	91.2	[illegible]	93.0	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
[illegible]	94.1	[illegible]	96.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
[illegible]	94.8	96.9	97.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
[illegible]	95.8	[illegible]	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	96.3	98.8	99.3	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 61

☐

2

[illegible]AL CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

[illegible].1	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
32.[illegible]	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
33.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
34.1	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
35.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
35.[illegible]	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
37.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
37.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
39.5	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
40.[illegible]	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
41.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
43.[illegible]	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
44.6	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
4[illegible].3	78.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
47.5	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4[illegible]	88.0	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
48.4	90.9	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8
48.6	94.7	96.5	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9
48.9	95.3	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5
48.9	96.3	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
48.9	96.5	98.6	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
48.9	96.5	98.6	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
48.9	96.5	98.6	98.6	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
48.9	96.5	98.6	98.6	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
48.9	96.7	98.8	98.8	98.9	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
48.9	96.7	98.8	98.8	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
48.9	96.7	98.8	98.8	98.9	99.1	99.3	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 81[illegible]

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVIC /MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LE[illegible] AA 73-81 ABR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

[illegible]	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
10.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
11.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
11.1	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
11.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
11.9	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
12.2	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
12.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
12.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
12.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
12.7	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
13.2	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
13.7	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
14.7	81.0	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
15.6	85.3	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
15.6	89.3	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
15.6	93.6	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
15.6	95.1	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
15.6	95.9	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
15.6	96.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
15.6	97.1	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
15.6	97.1	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
15.6	97.0	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
15.6	97.0	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
15.6	97.2	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
15.6	97.4	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
15.6	97.5	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
15.6	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.6	97.7	98.7	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.6	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15.6	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
15.6	97.7	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 812

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] MAY MAF/FT [illegible] 73-81 [illegible] AE

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible].9	36.5	36.9	37.0	37.1	37.1	37.2	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4
2.9	42.7	43.1	43.2	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7
2[illegible].3	43.3	43.7	43.8	44.0	44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.4	44.4
27.0	43.7	44.1	44.2	44.4	44.4	44.5	44.5	44.6	44.6	44.6	44.6	44.7	44.7	44.9	44.9
24.[illegible]	45.[illegible]	45.4	45.5	45.7	45.7	45.8	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.1	46.1
2[illegible].5	47.1	47.5	47.7	47.8	47.8	47.9	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.2	48.2
3[illegible].7	49.8	50.2	50.3	5[illegible].5	50.5	50.6	50.6	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9
36.[illegible]	5[illegible].5	51.[illegible]	51.0	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.6	51.6
3[illegible].0	53.4	53.[illegible]	54.[illegible]	54.2	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6
3[illegible].7	55.5	56.0	56.1	56.3	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
2[illegible].4	57.1	57.7	57.8	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	58.5
[illegible]1.3	62.7	63.3	63.5	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2
[illegible].1	65.5	66.2	66.4	66.6	66.6	66.7	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.2	67.2
33.[illegible]	7[illegible].4	71.2	71.4	71.7	71.7	71.8	71.9	71.9	72.1	72.1	72.1	72.2	72.2	72.3	72.3
3[illegible].2	76.0	77.1	77.4	77.7	77.7	77.9	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.3
[illegible].3	82.2	83.4	83.7	84.0	84.1	84.2	84.3	84.4	84.5	84.5	84.5	84.6	84.7	84.7	84.7
3[illegible].2	86.2	87.6	88.1	88.5	88.6	88.8	88.9	88.9	89.0	89.1	89.1	89.2	89.2	89.2	89.2
4[illegible].1	89.7	91.3	91.9	92.4	92.5	92.7	92.8	92.8	93.0	93.0	93.0	93.1	93.1	93.2	93.2
4[illegible].1	[illegible].4	92.[illegible]	92.7	93.1	93.2	93.4	93.5	93.5	93.7	93.7	93.7	93.8	93.9	93.9	93.9
4[illegible].3	91.9	93.6	94.3	94.8	94.9	95.1	95.2	95.2	95.3	95.4	95.4	95.5	95.5	95.6	95.6
40.7	92.6	94.4	95.1	95.7	95.8	96.0	96.2	96.2	96.3	96.4	96.4	96.5	96.[illegible]	96.5	96.5
40.4	92.9	94.5	95.5	96.2	96.3	96.5	96.6	96.7	96.8	96.8	96.8	96.9	97.0	97.0	97.0
40.4	93.1	95.1	95.8	96.5	96.6	96.8	96.9	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3
40.4	93.3	95.7	96.1	96.8	96.9	97.1	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.7	97.7
4[illegible].4	93.5	95.6	96.4	97.1	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0
4[illegible].4	93.7	95.9	96.7	97.4	97.5	97.7	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.3	98.3
4[illegible].4	93.8	95.9	96.8	97.6	97.7	98.0	98.2	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.6
4[illegible].4	93.8	96.[illegible]	96.9	97.7	97.8	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.8	98.8	98.8
4[illegible].4	93.8	96.[illegible]	96.9	97.8	97.9	98.3	98.5	98.6	98.7	98.8	98.8	98.9	98.9	99.0	99.0
40.4	93.8	96.[illegible]	96.9	97.9	98.0	98.4	98.7	98.8	98.9	99.0	99.0	99.2	99.3	99.5	99.5
40.4	93.8	96.0	96.9	97.9	98.[illegible]	98.4	98.7	98.8	99.[illegible]	99.1	99.1	99.4	99.5	99.8	99.8
40.4	93.8	96.[illegible]	96.9	97.9	98.[illegible]	98.4	98.7	98.8	99.[illegible]	99.1	99.1	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5433

USAF [illegible]

2

CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

HARVEY LEWIS 73-61 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12.4	[illegible]	[illegible]	48.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	[illegible]
12.4	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
12.4	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
12.4	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
12.4	52.9	53.	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
12.4	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
12.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
12.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
12.9	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
13.0	[illegible]	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
13.[illegible]	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
13.9	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
13.9	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
14.1	79.1	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
14.2	84.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
14.2	87.7	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
14.2	91.3	92.1	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
14.3	93.1	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
14.3	94.3	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
14.3	96.6	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
14.3	97.5	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.3	97.6	99.	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
14.3	97.6	99.	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
14.3	97.7	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.3	7.7	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14.3	97.7	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

[illegible] CLIMATOLOGY BRANCH

[illegible] SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] FT LEWIS WA 73-[illegible] MAY

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]

(FROM HOURLY OBSERVATIONS)

[illegible]	[illegible]	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2
.4	43.5	43.9	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.1	44.1	44.1
.	43.7	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3
[illegible]	44.1	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7
1.1	44.6	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.2	45.2
[illegible]	[illegible]	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5
[illegible]	[illegible]	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3
[illegible]	[illegible]	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6
[illegible]	52.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4
[illegible]	53.6	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
[illegible]	55.7	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5
[illegible]	[illegible]	[illegible]	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	[illegible]
[illegible]	[illegible]	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
[illegible]	68.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.3
[illegible]	75.4	[illegible]	76.6	76.8	76.8	76.8	76.9	76.9	76.9	77.1	77.1	77.2	77.2	77.2	77.2
[illegible]	[illegible]	82.7	82.7	82.9	82.9	82.9	83.0	[illegible]	[illegible]	83.2	83.2	83.3	83.3	83.3	83.3
[illegible]	[illegible]	87.1	87.1	87.3	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.7	87.7	87.7	87.7
[illegible]	88.3	90.3	90.3	90.7	90.7	90.7	90.8	90.8	90.8	90.9	90.9	91.2	91.2	91.2	91.2
[illegible]	89.7	91.8	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.4	92.4	92.5	92.5	92.5	92.5
[illegible]	92.2	94.7	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.5	95.5	95.5	95.5
[illegible]	94.4	97.1	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.8	97.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
[illegible]	[illegible]	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
[illegible]	95.1	[illegible]	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	[illegible]
[illegible]	[illegible]	[illegible]	98.3	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	99.0	[illegible]	[illegible]	[illegible]
1.3	95.5	98.4	98.6	98.9	98.9	98.9	99.0	[illegible]	[illegible]	99.2	99.2	99.3	99.3	99.3	99.3
[illegible]	[illegible]	98.8	98.9	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.8	[illegible]
[illegible]	[illegible]	98.8	98.9	[illegible]	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8
[illegible]	[illegible]	[illegible]	98.9	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.8	[illegible]
[illegible]	[illegible]	[illegible]	98.9	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.8	[illegible]
[illegible]	95.8	98.8	98.9	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.9	99.9
[illegible]	95.8	98.8	98.9	99.3	99.3	99.3	99.4	99.4	99.5	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

CEILING VERSUS VISIBILITY

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.7	32.7	32.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36.1	36.2	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.7	36.9	36.9	37.0	37.1	37.2	37.2	37.2	37.2	37.2
36.2	36.3	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.8	37.0	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2
36.3	36.4	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.9	37.0	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.4
37.2	37.4	37.6	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.9	38.1	38.1	38.2	38.2	38.4	38.4	38.4	38.4	38.4
39.2	39.4	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.9	40.1	40.1	40.3	40.3	40.4	40.4	40.4	40.4	40.4
43.3	43.5	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.7	43.7	43.8	43.8	44.0	44.0	44.0	44.0	44.0
43.3	43.2	43.3	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.9	44.2	44.2	44.2	44.3	44.3	44.4	44.4	44.4	44.4
44.1	44.5	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.5	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7
44.3	44.3	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.9	45.9	47.1	47.1	47.2	47.2	47.2	47.2	47.2
51.3	51.4	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.3	52.3	52.4	52.4	52.6	52.6	52.6	52.6	52.6
55.8	55.8	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6
58.3	58.2	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.9	59.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4
66.6	66.1	66.4	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6
70.4	71.9	72.4	72.8	73.1	73.2	73.2	73.4	73.4	73.4	73.6	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1
75.9	76.9	76.7	76.7	77.2	77.3	77.3	77.4	77.4	77.7	77.9	77.9	77.9	78.1	78.2	78.2	78.1	78.1	78.1	78.1
82.1	82.9	83.5	83.9	84.3	84.5	84.5	84.6	84.6	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
83.4	86.2	86.7	87.1	87.6	87.7	87.7	87.8	87.8	88.1	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5
83.2	87.0	87.7	88.1	88.5	88.6	88.6	88.8	88.8	88.9	89.0	89.2	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5
90.6	90.6	91.4	91.0	91.8	91.9	92.0	92.1	92.1	92.4	92.6	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8
90.6	91.5	92.5	93.0	93.7	93.9	94.0	94.1	94.1	94.4	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9
90.7	92.1	93.2	94.0	94.7	95.0	95.1	95.3	95.3	95.6	95.8	95.8	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1
90.8	92.4	93.4	94.3	95.0	95.3	95.5	95.7	95.7	95.9	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
90.9	92.7	93.9	94.6	95.3	95.8	95.9	96.2	96.2	96.4	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
90.9	93.2	94.3	95.1	95.9	96.4	96.5	96.8	96.8	97.0	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
90.9	93.3	94.4	95.3	96.3	96.8	97.1	97.4	97.4	97.6	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
90.9	93.4	94.5	95.5	96.4	97.1	97.4	97.6	97.6	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
90.9	93.4	94.5	95.5	96.5	97.3	97.6	98.0	98.0	98.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
90.9	93.4	94.5	95.5	96.5	97.3	97.7	98.1	98.1	98.6	98.9	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4
90.9	93.4	94.5	95.5	96.5	97.3	97.7	98.1	98.1	98.6	99.0	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6
90.9	93.4	94.5	95.5	96.5	97.3	97.7	98.1	98.2	98.7	99.0	99.2	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
90.9	93.4	94.5	95.5	96.5	97.3	97.7	98.1	98.2	98.7	99.0	99.2	99.2	99.4	99.4	99.8	100.0			

[illegible]

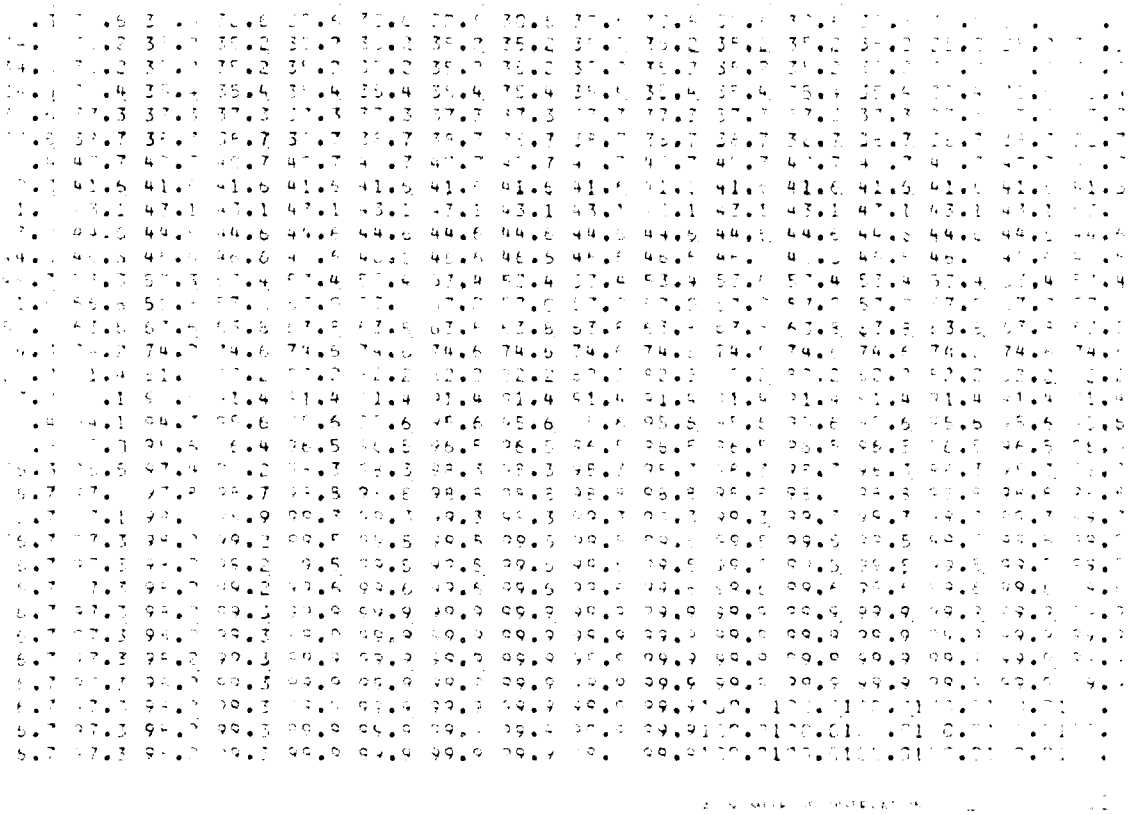
2

CEILING VERSUS VISIBILITY

.	[illegible]	[illegible]	[illegible]	[illegible]	26.8	26.8	[illegible]	[illegible]	26.[illegible]	26.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
1.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
[illegible]	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
[illegible]	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
[illegible]	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
[illegible]	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	46.5	[illegible]	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	[illegible]
.	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	57.7	[illegible]	[illegible]	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	[illegible]	59.2	[illegible]
[illegible]	65.8	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
4.	[illegible]	76.[illegible]	76.[illegible]	76.2	76.3	[illegible]	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	[illegible]
.1	[illegible]	84.5	84.5	84.7	84.8	[illegible]	84.9	84.9	84.9	84.9	84.9	84.9	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	91.4	91.8	91.9	91.9	92.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	91.4	91.6	92.0	92.1	92.1	92.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	94.5	94.7	95.1	95.2	95.2	95.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].4	[illegible]	[illegible]	[illegible]	[illegible]	96.9	96.9	97.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible].7	[illegible]	97.[illegible]	97.6	[illegible]	98.4	98.4	98.6	98.6	98.6	[illegible]	98.6	98.6	[illegible]	[illegible]	[illegible]
4.7	96.1	[illegible]	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	[illegible]	[illegible]	[illegible]
4.7	96.1	97.4	98.1	98.7	98.9	98.9	99.[illegible]	99.[illegible]	99.[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4.7	[illegible]	[illegible]	98.3	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	[illegible]	[illegible]	[illegible]
4.[illegible]	96.3	[illegible]	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4.[illegible]	96.3	[illegible]	98.7	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.[illegible]	96.3	[illegible]	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.[illegible]	96.3	[illegible]	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.[illegible]	96.3	98.[illegible]	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.[illegible]	96.3	98.[illegible]	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.[illegible]	96.3	98.[illegible]	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

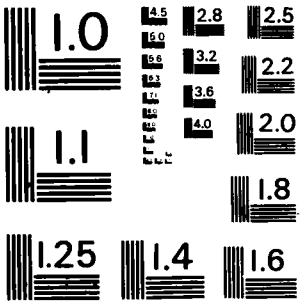
TOTAL NUMBER OF OBSERVATIONS [illegible]

CEILING VERSUS VISIBILITY



AD-A128 112 GRAY AAF/FORT LEWIS WASHINGTON REVISED UNIFORM SUMMARY OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 14 DEC 82 3/5

UNCLASSIFIED USAFETAC/DS-82/062 SBI-AD-E850 362 F/G 4/2 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

[illegible]	36.6	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
[illegible]	[illegible]	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
[illegible]	41.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	41.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
[illegible]	42.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
[illegible]	43.5	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
[illegible]	46.0	43.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
[illegible]	46.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
[illegible]	49.0	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
[illegible]	50.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
[illegible]	53.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	57.8	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
[illegible]	58.8	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
[illegible]	64.9	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
[illegible]	70.1	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
[illegible]	72.6	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
[illegible]	74.7	94.1	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
[illegible]	75.4	96.2	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
[illegible]	75.4	96.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
[illegible]	75.4	97.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	75.4	97.6	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
[illegible]	75.4	97.7	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	75.4	97.7	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	75.4	97.7	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
[illegible]	75.4	97.7	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	75.4	97.7	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	75.4	97.7	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	75.4	97.7	98.8	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	75.4	97.7	98.8	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	75.4	97.7	98.8	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	75.4	97.7	98.8	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	75.4	97.7	98.8	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742070 GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEIL	43.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	45.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	46.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	46.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	46.6	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	47.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	49.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	49.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	51.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000	53.5	6 .7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	54.8	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	57.5	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500	59.8	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	62.4	80.2	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	65.1	87.9	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	66.1	92.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	67.1	94.9	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2000	67.5	96.4	97.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	67.5	96.5	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	67.5	97.0	98.2	98.6	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	67.5	97.4	98.6	99.0	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	67.5	97.4	98.6	99.0	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	67.5	97.4	98.6	99.0	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	67.5	97.4	98.6	99.0	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	67.5	97.4	98.6	99.0	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	67.5	97.4	98.6	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742070 GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEIL	18.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	19.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	20.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	20.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	20.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	20.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	20.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	21.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	22.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	23.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	23.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	24.0	74.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	24.4	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	25.0	83.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	25.2	87.5	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	98.6
≥ 3000	25.3	91.5	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	25.3	93.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	25.4	95.0	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	25.4	95.3	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	25.4	96.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	25.4	97.3	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	25.4	97.6	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	25.4	97.6	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	25.4	97.6	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

74[illegible]70 GRAY AAF/FT LEWIS WA 73-81 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
[illegible]	26.7	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
[illegible]	29.7	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2
[illegible]	29.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4
[illegible]	30.0	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5
[illegible]	30.7	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
[illegible]	31.6	45.6	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
[illegible]	33.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.5
[illegible]	33.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1
[illegible]	35.5	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
[illegible]	36.4	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6
6000	37.6	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
5000	40.2	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1
4500	41.5	65.0	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5
4000	44.7	71.5	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3
[illegible]	48.2	78.9	79.5	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
[illegible]	50.1	84.3	85.1	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7
[illegible]	51.9	89.5	90.5	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
[illegible]	53.1	92.4	93.6	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3
[illegible]	53.2	93.1	94.3	94.5	94.8	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
[illegible]	53.5	94.9	96.3	96.6	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
[illegible]	53.8	95.9	97.3	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
[illegible]	53.9	96.3	97.8	98.3	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	53.9	96.4	97.8	98.3	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	53.9	96.4	98.0	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
[illegible]	53.9	96.6	98.1	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
[illegible]	53.9	96.6	98.1	98.7	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
[illegible]	53.9	96.7	98.2	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	53.9	96.7	98.2	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	53.9	96.7	98.2	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9
[illegible]	53.9	96.7	98.2	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
[illegible]	53.9	96.7	98.2	98.8	99.3	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
[illegible]	53.9	96.7	98.2	98.8	99.3	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

74070 GRAY AAF/FT LEWIS WA 73-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES) 2½	2	1¾	1½	1¼	1	¾	½	¼	0	2	1½	1	¾	½	¼	0
NO CEILING	14.2	48.4	48.4	48.4	48.4	48.4	48.5	48.6	48.6	48.6	48.9	48.9	49.0	49.0	49.1	49.1	
≥ 20000	14.3	49.4	49.4	49.4	49.4	49.4	49.5	49.6	49.6	49.6	49.9	49.9	50.0	50.0	50.1	50.1	
≥ 18000	14.4	49.5	49.5	49.5	49.5	49.5	49.6	49.8	49.8	49.8	50.0	50.0	50.1	50.1	50.2	50.2	
≥ 16000	14.4	49.5	49.5	49.5	49.5	49.5	49.6	49.8	49.8	49.8	50.0	50.0	50.1	50.1	50.2	50.2	
≥ 4000	14.6	49.8	49.8	49.8	49.8	49.8	49.9	50.0	50.0	50.0	50.2	50.2	50.4	50.4	50.5	50.5	
≥ 2000	14.8	51.0	51.0	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.5	51.5	51.6	51.6	51.7	51.7	
≥ 1000	15.2	52.3	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.8	53.1	53.1	53.2	53.2	53.3	53.3	
≥ 900	15.2	52.3	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.8	53.1	53.1	53.2	53.2	53.3	53.3	
≥ 8000	15.9	54.4	54.4	54.7	54.7	54.7	54.8	54.9	54.9	54.9	55.2	55.2	55.3	55.3	55.4	55.4	
≥ 7000	16.4	55.7	55.7	55.9	55.9	55.9	56.0	56.2	56.2	56.2	56.4	56.4	56.5	56.5	56.7	56.7	
≥ 6000	16.7	56.7	56.8	57.0	57.0	57.0	57.2	57.3	57.3	57.3	57.5	57.5	57.7	57.7	57.8	57.8	
≥ 5000	17.3	62.0	62.1	62.3	62.3	62.3	62.5	62.6	62.6	62.6	62.8	62.8	63.0	63.0	63.1	63.1	
≥ 4500	17.2	65.9	66.3	66.3	66.3	66.3	66.4	66.5	66.5	66.5	66.8	66.8	66.9	66.9	67.0	67.0	
≥ 4000	17.5	73.1	73.3	73.6	73.6	73.6	73.7	73.8	73.8	73.8	74.1	74.1	74.2	74.2	74.3	74.3	
≥ 3500	17.9	78.1	78.4	78.6	78.6	78.6	78.8	78.9	78.9	78.9	79.1	79.1	79.3	79.3	79.4	79.4	
≥ 3000	18.0	81.4	81.6	81.9	82.0	82.0	82.1	82.2	82.2	82.2	82.5	82.5	82.6	82.6	82.7	82.7	
≥ 2500	18.1	86.8	87.2	87.4	87.7	87.7	87.8	87.9	87.9	87.9	88.1	88.1	88.3	88.3	88.4	88.4	
≥ 2000	18.4	91.0	91.4	91.6	92.1	92.1	92.2	92.3	92.3	92.3	92.6	92.6	92.7	92.7	92.8	92.8	
≥ 1800	18.5	92.2	92.6	92.8	93.3	93.3	93.5	93.6	93.6	93.6	93.8	93.8	94.0	94.0	94.1	94.1	
≥ 1500	18.5	94.6	94.9	95.3	95.9	95.9	96.0	96.2	96.2	96.2	96.4	96.4	96.5	96.5	96.7	96.7	
≥ 1200	18.5	95.3	95.7	96.0	96.7	96.8	96.9	97.0	97.0	97.0	97.3	97.3	97.4	97.4	97.5	97.5	
≥ 1000	18.5	96.4	96.8	97.2	97.9	98.0	98.1	98.3	98.3	98.3	98.5	98.5	98.6	98.6	98.8	98.8	
≥ 900	18.5	96.8	97.2	97.5	98.4	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.1	99.1	99.3	99.3	
≥ 800	18.5	96.8	97.2	97.5	98.4	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.1	99.1	99.3	99.3	
≥ 700	18.5	96.8	97.2	97.5	98.4	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.1	99.1	99.3	99.3	
≥ 600	18.5	96.9	97.3	97.7	98.5	98.6	98.8	98.9	98.9	98.9	99.1	99.1	99.3	99.3	99.4	99.4	
≥ 500	18.5	96.9	97.3	97.7	98.5	98.6	98.9	99.1	99.1	99.1	99.4	99.4	99.5	99.5	99.6	99.6	
≥ 400	18.6	97.0	97.4	97.8	98.6	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.9	99.9	100.0	100.0	
≥ 300	18.6	97.0	97.4	97.8	98.6	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.9	99.9	100.0	100.0	
≥ 200	18.6	97.0	97.4	97.8	98.6	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.9	99.9	100.0	100.0	
≥ 100	18.6	97.0	97.4	97.8	98.6	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.9	99.9	100.0	100.0	
≥ 0	18.6	97.0	97.4	97.8	98.6	98.8	99.3	99.5	99.5	99.5	99.8	99.8	99.9	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742070 GRAY AAF/FT LEWIS WA 73-81 JUN

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	23.2	37.5	37.8	37.9	37.9	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3	38.3
≥ 20000	25.1	39.9	40.1	40.2	40.2	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 18000	25.1	39.9	40.1	40.2	40.2	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 16000	25.2	40.0	40.2	40.4	40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.7	40.7
≥ 14000	25.4	40.2	40.5	40.6	40.6	40.6	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0
≥ 12000	25.9	41.1	41.4	41.5	41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9
≥ 10000	26.4	42.3	42.6	42.7	42.7	42.7	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1
≥ 9000	26.4	42.3	42.6	42.7	42.7	42.7	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1
≥ 8000	27.4	45.3	45.6	45.7	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0
≥ 7000	28.3	47.2	47.4	47.5	47.5	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9
≥ 6000	28.6	48.9	49.1	49.3	49.3	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6
≥ 5000	30.6	53.7	54.0	54.1	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4
≥ 4500	31.9	57.2	57.5	57.7	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 4000	33.5	62.7	63.5	63.6	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0
≥ 3500	35.6	68.9	69.8	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.4	70.4
≥ 3000	36.2	73.8	74.9	75.1	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6
≥ 2500	36.8	78.3	79.4	79.5	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
≥ 2000	38.0	85.2	86.3	86.4	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.2	87.2	87.3	87.3
≥ 1800	38.1	86.5	87.8	87.9	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.8	88.8
≥ 1500	38.5	88.5	89.9	90.0	90.4	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.9	90.9	91.0	91.0
≥ 1200	38.6	91.1	92.5	92.6	93.0	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.7	93.7
≥ 1000	38.6	92.8	94.2	94.3	94.7	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4
≥ 900	38.6	93.2	94.6	94.7	95.1	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.8	95.8
≥ 800	38.6	94.0	95.3	95.4	96.0	96.2	96.4	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.9	96.9
≥ 700	38.6	94.1	95.4	95.6	96.2	96.3	96.5	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.2	97.2
≥ 600	38.6	94.3	95.9	96.0	96.7	96.8	97.0	97.4	97.4	97.5	97.7	97.7	97.8	97.8	98.0	98.0
≥ 500	38.6	94.6	96.2	96.3	96.9	97.0	97.5	97.9	97.9	98.0	98.3	98.3	98.4	98.4	98.6	98.6
≥ 400	38.6	94.8	96.4	96.5	97.2	97.4	98.4	98.8	98.8	98.9	99.1	99.1	99.3	99.3	99.5	99.5
≥ 300	38.6	94.8	96.4	96.5	97.2	97.4	98.5	98.9	98.9	99.1	99.4	99.4	99.5	99.5	99.8	99.8
≥ 200	38.6	94.9	96.5	96.7	97.3	97.5	98.6	99.0	99.0	99.3	99.6	99.6	99.8	99.8	100.0	100.0
≥ 100	38.6	94.9	96.5	96.7	97.3	97.5	98.6	99.0	99.0	99.3	99.6	99.6	99.8	99.8	100.0	100.0
≥ 0	38.6	94.9	96.5	96.7	97.3	97.5	98.6	99.0	99.0	99.3	99.6	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA | 73-81 | JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-1800

VISIBILITY STATUTE MILES

CEILING FEET	20	20	25	24	22	22	22	22	21	2	24	24	2	23	24	4
N	30.6	32.6	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
3000	34.9	36.9	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2500	34.8	36.9	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2000	34.8	36.9	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
1800	35.6	37.8	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
1500	36.7	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
1200	38.4	40.7	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
1000	38.5	41.0	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
800	40.0	43.1	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
600	41.7	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
500	42.5	46.2	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
400	45.6	50.1	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
300	46.8	52.5	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
200	51.2	58.9	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
150	54.2	63.3	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
100	55.7	66.4	66.9	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
50	58.0	72.3	73.0	73.6	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
20	62.3	79.3	80.1	80.7	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
0	63.0	80.4	81.4	82.0	82.6	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
15	64.3	84.9	86.0	86.7	87.3	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
10	64.8	87.3	88.5	89.1	89.8	89.9	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
5	65.3	89.1	90.4	91.1	91.7	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
3	65.3	89.9	91.1	91.9	92.5	92.6	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2	65.3	90.9	92.1	92.8	93.5	93.6	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1	65.3	91.2	92.7	93.5	94.1	94.2	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
0	65.4	91.7	93.5	94.3	95.3	95.4	96.0	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
1	65.4	91.7	93.5	94.3	95.3	95.4	96.3	96.5	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
2	65.4	91.7	94.0	94.9	95.9	96.0	97.7	98.0	98.0	98.4	98.4	98.4	98.5	98.5	98.6	98.6
3	65.4	91.7	94.0	94.9	96.2	96.3	97.9	98.5	98.6	99.0	99.0	99.0	99.1	99.1	99.4	99.4
4	65.4	91.7	94.0	94.9	96.3	96.4	98.0	98.6	98.9	99.3	99.3	99.3	99.5	99.5	100.0	100.0
5	65.4	91.7	94.0	94.9	96.3	96.4	98.0	98.6	98.9	99.3	99.3	99.3	99.5	99.5	100.0	100.0
6	65.4	91.7	94.0	94.9	96.3	96.4	98.0	98.6	98.9	99.3	99.3	99.3	99.5	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

74070 GRAY AAF/FT LEWIS WA 73-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥7/8	≥3/4	≥5/8	≥1/2	≥3/8	≥1/4	0
≥20000	29.8	30.4	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥15000	32.7	33.6	34.1	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥10000	33.1	33.8	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥9000	33.2	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥8000	34.3	35.4	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥7000	35.9	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥6000	36.9	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥5000	37.5	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥4500	39.0	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥4000	39.5	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥3500	40.9	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥3000	43.8	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥2500	45.6	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥2000	49.1	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥1500	54.4	60.1	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥1000	58.6	65.7	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥500	65.3	75.1	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥300	69.5	82.2	83.3	83.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥200	70.4	84.1	85.2	85.6	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥150	73.5	90.2	91.5	92.0	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥100	74.1	92.1	93.3	93.8	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥50	74.3	93.6	95.1	95.6	96.0	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥30	74.3	94.3	95.8	96.3	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥20	74.3	94.4	96.1	96.5	97.0	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥15	74.3	94.6	96.5	97.2	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥10	74.3	94.8	96.9	97.7	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥5	74.3	94.8	96.9	97.7	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0	74.3	94.8	96.9	97.7	98.6	99.3	99.8	99.9	99.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9
Ceiling Unlimited	74.3	94.9	97.0	97.8	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sky Clear	74.3	94.9	97.0	97.8	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	74.3	94.9	97.0	97.8	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	74.3	94.9	97.0	97.8	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

742070 GRAY AAF/FT LEWIS WA 73-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

32.5	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
40.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
40.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
40.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
41.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
42.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
44.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
45.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
47.7	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
49.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
49.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
53.6	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
54.3	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
58.8	64.9	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
66.8	74.0	74.2	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
71.7	80.9	81.1	81.4	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
75.2	87.4	87.7	87.9	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
77.2	91.7	92.1	92.3	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
78.3	93.2	93.8	94.1	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
79.1	95.7	96.4	96.7	97.0	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
79.3	96.9	97.9	98.1	98.6	98.9	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
79.3	96.9	97.9	98.1	98.6	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
79.3	96.9	97.9	98.1	98.6	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
79.3	97.0	98.0	98.3	98.8	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79.3	97.4	98.4	98.6	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

38.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
45.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
45.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
45.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
46.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
48.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
50.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
51.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
53.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
56.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
57.8	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
62.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
64.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
68.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
74.7	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
76.1	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
79.4	93.6	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
80.0	95.8	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
80.5	96.4	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
80.7	97.4	98.1	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
80.7	97.5	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
80.7	97.5	98.4	98.5	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
80.7	97.5	98.4	98.5	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
80.7	97.5	98.4	98.5	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
80.7	97.5	98.4	98.6	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
80.7	97.5	98.4	98.6	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80.7	97.5	98.4	98.6	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73 GRAY AAF/FT LEWIS WA 73-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

42.5	46.0	46.0	46.0	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.		46.5
48.9	53.0	53.0	53.0	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	.5	53.5
49.3	53.3	53.3	53.3	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
49.4	53.5	53.5	53.5	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
51.1	55.6	55.6	55.6	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
53.2	57.8	57.8	57.8	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
55.5	60.9	60.9	60.9	61.1	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
56.5	62.1	62.1	62.1	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
58.9	64.9	64.9	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
62.2	68.3	68.3	68.3	68.5	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
63.3	69.4	69.4	69.4	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
68.3	76.9	76.9	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
70.0	79.0	79.0	79.0	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
73.8	84.6	84.6	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
74.9	87.7	87.8	87.9	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
76.9	91.1	91.2	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
78.3	94.6	94.8	95.1	95.3	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
78.6	95.8	96.2	96.4	96.8	96.9	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
78.9	96.3	96.7	96.9	97.3	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
78.9	96.7	97.0	97.4	97.8	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
78.9	96.7	97.3	97.8	98.4	98.5	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
78.9	96.7	97.3	97.8	98.5	98.6	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
78.9	96.7	97.3	97.8	98.5	98.6	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
78.9	96.8	97.4	97.9	98.6	98.8	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
78.9	96.8	97.4	97.9	98.6	98.8	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
78.9	96.8	97.5	98.0	98.8	98.9	99.5	99.5	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA   73-81   JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

[illegible]	51.1	51.1	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
24.4	53.8	54.0	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
24.4	54.2	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
24.4	54.2	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
25.6	55.7	55.8	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
26.3	56.9	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
26.7	59.4	59.5	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
26.7	59.4	59.5	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
27.4	62.2	62.3	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
28.4	65.6	65.7	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
28.9	67.5	67.7	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
30.1	72.1	72.1	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
31.7	77.5	77.7	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
32.2	81.2	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
32.8	86.0	86.2	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
33.1	89.6	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
33.3	93.7	94.1	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
33.5	95.6	95.9	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
33.5	96.2	96.5	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
33.5	97.0	97.5	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
33.5	97.3	97.9	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
33.5	97.4	98.1	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
33.5	97.5	98.1	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
33.5	97.5	98.3	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.5	97.5	98.3	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.5	97.5	98.4	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
33.5	97.5	98.4	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
33.5	97.5	98.4	98.6	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33.5	97.5	98.4	98.6	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
33.5	97.5	98.4	98.6	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
33.5	97.5	98.4	98.6	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
33.5	97.5	98.4	98.6	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

2

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] MAY [illegible]AF/FT LE.IS [illegible] 73-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible].3	39.9	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	[illegible]	[illegible]	[illegible]
3.2	44.5	44.6	44.7	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	[illegible]
3.9	44.8	44.9	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
33.5	44.9	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
34.4	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
35.5	47.3	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
36.[illegible]	49.2	49.3	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
37.2	49.7	49.8	49.9	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
38.7	52.2	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7
.3	54.3	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
1.[illegible]	55.8	56.[illegible]	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
44.[illegible]	60.9	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
47.3	63.8	64.[illegible]	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
48.1	65.2	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9
1.4	75.2	75.6	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3.5	79.8	80.2	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
5.6	85.2	85.7	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
7.2	89.6	90.7	90.5	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2
7.6	9[illegible].7	91.4	91.6	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
8.4	93.1	93.9	94.3	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1
8.5	94.3	95.2	95.5	96.0	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
8.6	95.1	96.0	96.4	96.9	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
8.6	95.4	96.3	96.7	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
8.6	95.6	96.6	96.9	97.6	97.8	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
8.6	95.7	96.9	97.2	97.8	98.[illegible]	98.3	98.4	98.[illegible]	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
8.7	95.9	97.0	97.5	98.2	98.4	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
8.7	96.9	97.1	97.5	98.3	98.5	98.9	99.0	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.7	96.0	97.2	97.6	98.4	98.6	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
8.7	96.[illegible]	97.2	97.6	98.4	98.7	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
8.7	96.[illegible]	97.2	97.6	98.5	98.7	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
8.7	96.[illegible]	97.2	97.6	98.5	98.7	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0
5[illegible].7	96.[illegible]	97.2	97.6	98.5	98.7	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6480

[illegible]

2

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2000-2200

17.8	58.2	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
18.1	59.9	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
18.1	60.2	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
18.2	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18.3	60.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
18.3	61.9	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
18.3	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
18.5	63.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
18.6	66.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
19.1	68.7	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
19.1	69.9	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
19.2	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
19.6	77.5	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
20.1	82.7	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
20.7	86.0	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
20.8	88.1	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
20.8	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
20.8	92.1	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
20.8	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
20.8	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
20.8	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
20.9	97.7	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
20.9	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
20.9	98.1	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
20.9	98.6	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.9	98.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20.9	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA — 73-81 — JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0700-0900

29.4	49.6	49.6	49.6	49.7	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1
29.1	50.4	51.5	51.5	51.6	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2	52.2
29.3	50.7	51.7	51.7	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
29.4	51.0	52.1	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6
29.6	51.6	52.7	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2
30.1	52.6	53.6	53.6	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
30.6	53.9	55.1	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6
30.6	54.2	55.4	55.4	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9
30.9	56.2	57.3	57.3	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
31.4	57.2	58.4	58.4	58.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9
32.1	59.0	60.0	60.2	60.3	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7
33.2	61.9	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6
34.9	65.6	66.8	66.8	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3
35.6	70.7	71.9	71.9	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
37.2	73.8	75.0	75.0	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5
37.8	76.2	77.4	77.4	77.5	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9
38.5	79.7	80.9	80.9	81.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4	81.4
39.3	83.0	84.2	84.2	84.3	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
39.3	84.2	85.4	85.4	85.5	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9
39.7	86.6	87.8	87.8	87.9	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3
39.7	87.9	89.1	89.1	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6
39.9	89.8	91.0	91.0	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5
40.0	90.6	91.8	91.8	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4	92.4
40.1	91.4	92.6	92.6	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2
40.3	92.6	93.8	93.8	94.0	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
40.3	94.3	95.5	95.5	95.7	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
40.3	94.9	96.3	96.5	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3	97.3
40.3	95.1	96.8	97.0	97.3	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0
40.3	95.3	97.0	97.4	97.6	97.7	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
40.3	95.3	97.0	97.4	97.6	97.7	98.2	98.7	99.0	99.0	99.2	99.2	99.2	99.4	99.5	99.5
40.3	95.3	97.0	97.4	97.6	97.7	98.2	98.8	99.2	99.2	99.3	99.3	99.3	99.5	99.8	100.0
40.3	95.3	97.0	97.4	97.6	97.7	98.2	98.8	99.2	99.2	99.3	99.3	99.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAFETAC 0-14-5 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-2800

33.3	36.4	36.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3
36.1	39.5	39.9	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4
36.3	39.9	40.3	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7
36.7	40.3	40.6	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1
37.2	41.9	41.2	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7
38.4	42.3	42.7	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
39.9	43.8	44.2	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7
40.3	44.2	44.6	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
41.3	46.4	46.7	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
43.1	48.1	48.5	48.7	48.7	48.7	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
44.8	50.4	50.8	51.0	51.1	51.1	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
49.1	55.8	56.2	56.4	56.5	56.5	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
51.6	59.1	59.5	59.7	59.9	59.9	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
55.6	65.1	65.5	65.7	65.8	65.8	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
57.3	67.5	67.9	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
58.5	69.3	69.7	69.9	70.0	70.0	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
60.3	71.9	72.3	72.5	72.6	72.6	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
62.2	75.1	75.7	76.1	76.2	76.2	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
62.8	76.1	76.7	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
64.5	79.9	80.5	80.9	81.1	81.1	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
64.9	82.2	83.0	83.4	83.8	83.8	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
65.1	84.2	85.2	85.5	85.9	85.9	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
65.5	85.7	86.7	87.1	87.5	87.5	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
65.6	86.6	87.9	88.3	88.8	88.8	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
66.1	88.3	89.6	90.0	90.4	90.4	91.0	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
66.1	89.0	90.4	90.8	91.6	91.6	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
66.1	89.5	91.0	91.9	92.7	92.8	93.8	94.0	94.1	94.4	94.5	94.5	94.6	94.6	94.6	94.9	
66.1	89.5	91.0	92.1	93.3	93.7	95.1	95.6	95.7	95.9	96.3	96.3	96.4	96.4	96.4	96.7	
66.1	89.5	91.0	92.1	93.5	93.9	95.3	95.8	96.2	96.8	97.3	97.3	97.6	97.6	97.6	97.8	
66.1	89.5	91.0	92.1	93.7	94.0	95.5	96.2	96.5	97.3	98.4	98.6	98.9	99.5	99.5	99.8	
66.1	89.5	91.0	92.1	93.7	94.0	95.5	96.2	96.5	97.3	98.4	98.6	99.0	99.6	99.8	100.0	
66.1	89.5	91.0	92.1	93.7	94.0	95.5	96.2	96.5	97.3	98.4	98.6	99.0	99.6	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

2

AL CLIMATOLOGY BRANCH
ETAC
A EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS WA   73-81   JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

37.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
40.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
41.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
41.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
42.9	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
44.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
45.3	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
45.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
45.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
47.1	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
48.9	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
52.4	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
53.8	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
56.0	62.2	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
58.5	65.1	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
62.6	70.8	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
65.0	76.8	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
68.3	82.6	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
69.1	84.1	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
71.4	89.0	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
72.3	91.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
72.8	94.0	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
72.9	95.1	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
72.9	95.3	97.3	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
72.9	95.5	97.5	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
72.9	95.7	98.0	98.3	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
72.9	95.7	98.1	98.8	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
72.9	95.7	98.1	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
72.9	95.7	98.1	98.8	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.9	95.7	98.1	98.8	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.9	95.7	98.1	98.8	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
72.9	95.7	98.1	98.8	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

VISIBILITY (STATUTE MILES)

47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
52.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
52.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
53.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
53.6	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
55.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
56.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
56.6	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
57.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
58.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.8
61.1	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
63.6	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
65.8	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
69.4	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
72.0	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
75.6	85.3	85.3	85.3	85.3	85.4	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
79.7	93.0	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
81.8	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
81.8	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
82.3	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
82.3	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
82.3	99.5	99.5	99.5	99.5	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

VISIBILITY (STATUTE MILES)

	[illegible]	≥6	[illegible]	≥4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	52.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
[illegible]	59.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
[illegible]	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
[illegible]	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
[illegible]	61.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
[illegible]	64.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
[illegible]	65.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
[illegible]	66.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
[illegible]	68.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
[illegible]	70.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
[illegible]	71.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
[illegible]	73.5	77.2	77.2	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4500	75.5	79.5	79.5	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
4000	79.3	84.6	84.6	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
3500	83.0	90.4	90.4	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
3000	85.3	93.9	93.9	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
[illegible]	87.5	97.0	97.0	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
[illegible]	87.7	98.3	98.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	87.7	98.3	98.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
[illegible]	87.7	98.6	98.6	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
[illegible]	87.7	98.9	98.9	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
[illegible]	87.7	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.7	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.7	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
[illegible]	87.7	98.9	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

56.9	59.3	59.4	59.4	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
62.1	64.5	64.6	64.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
62.4	64.8	64.9	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
63.8	66.3	66.4	66.4	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
65.0	67.5	67.7	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
66.9	69.4	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
68.6	71.4	71.7	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
69.3	72.5	72.8	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
71.2	74.7	74.9	74.9	75.0	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
72.9	76.5	76.7	76.7	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
73.6	77.4	77.8	77.8	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
74.2	79.7	80.0	80.0	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
76.3	82.8	83.2	83.2	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
79.7	87.7	88.1	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
83.6	93.0	93.3	93.3	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
85.1	95.0	95.3	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
85.7	95.8	96.2	96.4	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
85.8	96.9	97.3	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
85.8	97.0	97.4	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
85.8	97.6	98.0	98.2	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
85.9	97.7	98.1	98.3	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
86.1	98.2	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
86.1	98.2	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
86.1	98.2	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
86.1	98.2	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
86.1	98.2	98.6	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
86.1	98.2	98.6	98.8	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
86.1	98.2	98.6	98.8	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
86.1	98.2	98.6	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.1	98.2	98.6	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.1	98.2	98.6	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
86.1	98.2	98.6	98.8	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

30.3	62.6	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
30.9	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
30.9	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
31.3	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
31.9	67.6	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
32.1	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
33.0	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
33.6	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
33.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
34.4	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
34.5	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
35.1	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
36.9	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
37.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
38.2	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
39.1	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
39.2	96.3	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
39.2	96.8	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
39.2	97.3	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
39.2	97.5	97.7	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
39.2	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
39.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.3	98.9	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
39.3	98.9	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

38.0	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4
41.0	54.6	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
41.3	55.1	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
41.9	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
42.5	56.5	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
43.7	58.2	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
44.7	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3
45.1	60.3	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
46.1	62.4	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
47.1	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
48.1	65.7	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
50.0	69.4	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
51.9	72.4	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
54.2	77.3	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
56.3	80.9	81.2	81.4	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
58.1	84.2	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
59.6	87.6	88.1	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
60.6	90.2	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
60.8	90.9	91.3	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
61.4	92.8	93.2	93.4	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
61.6	94.0	94.5	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
61.8	95.2	95.8	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
61.8	95.6	96.3	96.5	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
61.9	95.9	96.6	96.9	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
61.9	96.3	97.0	97.3	97.6	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
61.9	96.7	97.4	97.7	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
61.9	96.8	97.6	98.1	98.4	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
61.9	96.8	97.7	98.1	98.6	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
61.9	96.9	97.7	98.2	98.7	98.7	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6
61.9	96.9	97.7	98.2	98.7	98.8	99.1	99.3	99.4	99.5	99.7	99.7	99.8	99.9	99.9	99.9
61.9	96.9	97.7	98.2	98.7	98.8	99.1	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0
61.9	96.9	97.7	98.2	98.7	98.8	99.1	99.3	99.4	99.6	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

USAF ETAC [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

[illegible]	57.[illegible]	57.8	58.3	58.4	58.5	58.5	58.5	58.5	58.7	58.9	58.9	59.0	59.0	59.[illegible]	59.[illegible]
[illegible]	57.7	58.5	59.0	59.1	59.3	59.3	59.3	59.3	59.4	59.6	59.6	59.7	59.7	59.7	59.7
1[illegible].2	58.2	59.[illegible]	59.5	59.6	59.7	59.7	59.7	59.7	59.9	60.1	60.1	60.2	60.2	60.2	60.2
1[illegible].2	58.2	59.[illegible]	59.5	59.6	59.7	59.7	59.7	59.7	59.9	60.1	60.1	60.2	60.2	60.2	60.2
1[illegible].2	59.0	59.9	60.3	60.5	60.6	60.6	60.6	60.6	60.7	60.9	60.9	61.1	61.1	61.1	61.1
10.4	60.3	61.2	61.6	61.8	61.9	61.9	61.9	61.9	62.0	62.2	62.2	62.4	62.4	62.4	62.4
10.6	62.1	63.0	63.4	63.6	63.7	63.7	63.7	63.7	63.8	64.0	64.0	64.2	64.2	64.2	64.2
10.6	62.6	63.4	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.6	64.6	64.8	64.8	64.8	64.8
10.6	63.6	64.5	65.1	65.2	65.4	65.4	65.4	65.4	65.5	65.7	65.7	65.8	65.8	65.8	65.8
10.8	64.0	65.0	65.[illegible]	65.7	65.8	65.8	65.8	65.8	65.9	66.2	66.2	66.3	66.3	66.3	66.3
11.0	65.0	65.9	66.5	66.7	66.8	66.8	66.8	66.8	66.9	67.1	67.1	67.3	67.3	67.3	67.3
11.2	67.1	68.1	68.7	68.8	68.9	68.9	68.9	68.9	69.1	69.3	69.3	69.4	69.4	69.4	69.4
11.6	69.8	70.7	71.3	71.4	71.6	71.6	71.6	71.6	71.7	71.9	71.9	72.0	72.0	72.0	72.0
11.[illegible]	74.6	75.5	76.1	76.2	76.3	76.3	76.3	76.3	76.5	76.7	76.7	76.8	76.8	76.8	76.8
11.9	76.1	77.2	77.8	78.1	78.3	78.3	78.3	78.3	78.4	78.6	78.6	78.7	78.7	78.7	78.7
12.3	79.3	80.4	81.0	81.5	81.6	81.6	81.6	81.6	81.7	82.0	82.0	82.1	82.1	82.1	82.1
12.3	83.3	84.6	85.3	85.8	86.0	86.0	86.0	86.0	86.1	86.4	86.4	86.5	86.5	86.5	86.5
12.[illegible]	87.1	89.0	89.7	90.2	90.7	90.7	90.7	90.7	90.8	91.0	91.0	91.2	91.2	91.2	91.2
13.1	87.8	89.7	90.4	90.9	91.4	91.4	91.4	91.4	91.5	91.8	91.8	91.9	91.9	91.9	91.9
13.[illegible]	89.6	91.5	92.2	93.1	93.5	93.5	93.5	93.5	93.7	93.9	93.9	94.0	94.0	94.0	94.0
14.0	90.9	92.9	93.5	94.4	94.9	94.9	94.9	94.9	95.0	95.2	95.2	95.3	95.3	95.3	95.3
14.1	91.8	94.0	94.9	95.7	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.7	96.7	96.7	96.7
14.[illegible]	92.0	94.3	95.1	95.9	96.4	96.4	96.4	96.4	96.5	96.8	96.8	96.9	96.9	96.9	96.9
14.0	92.5	94.9	95.7	96.5	97.0	97.0	97.0	97.0	97.1	97.4	97.4	97.5	97.5	97.5	97.5
14.[illegible]	92.8	95.5	96.3	97.3	97.7	97.7	97.7	97.7	97.8	98.1	98.1	98.2	98.2	98.2	98.2
14.0	93.2	95.9	96.9	97.8	98.3	98.3	98.3	98.3	98.4	98.7	98.7	98.8	98.8	98.8	98.8
14.0	93.3	96.1	97.0	98.0	98.4	98.4	98.4	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9
14.0	93.4	96.2	97.1	98.2	98.7	98.8	99.2	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6
14.0	93.4	96.2	97.1	98.2	98.7	98.9	99.3	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8
14.0	93.4	96.2	97.1	98.2	98.7	98.9	99.3	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0
14.0	93.4	96.2	97.1	98.2	98.7	98.9	99.3	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0
14.0	93.4	96.2	97.1	98.2	98.7	98.9	99.3	99.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible] 0-14-5 [illegible] PREVIOUS EDITIONS IN THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

70 GRAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0600

12.2	38.5	39.9	40.4	41.2	41.6	41.9	41.9	42.1	42.3	42.5	42.5	42.5	42.5	42.9	42.9
12.3	39.4	41.1	41.5	42.3	42.7	43.0	43.0	43.1	43.4	43.6	43.6	43.6	43.6	44.0	44.0
12.5	39.7	41.2	41.7	42.5	42.9	43.2	43.2	43.4	43.6	43.8	43.8	43.8	43.8	44.2	44.2
12.5	39.8	41.3	41.8	42.7	43.0	43.4	43.4	43.5	43.7	44.0	44.0	44.0	44.0	44.3	44.3
12.5	40.3	41.9	42.4	43.2	43.6	44.0	44.0	44.1	44.3	44.6	44.6	44.6	44.6	44.9	44.9
12.9	41.1	42.8	43.2	44.1	44.4	44.8	44.8	44.9	45.2	45.4	45.4	45.4	45.4	45.8	45.3
13.0	42.8	44.6	45.0	45.9	46.2	46.6	46.6	46.7	47.0	47.2	47.2	47.2	47.2	47.6	47.6
13.0	42.8	44.8	45.3	46.1	46.5	46.8	46.8	47.0	47.2	47.4	47.4	47.4	47.4	47.8	47.8
13.0	43.4	45.4	45.9	46.7	47.1	47.4	47.4	47.6	47.8	48.0	48.0	48.0	48.0	48.4	48.4
13.1	44.4	46.5	47.1	47.9	48.3	48.6	48.6	48.7	49.0	49.2	49.2	49.2	49.2	49.6	49.6
13.4	45.4	47.4	48.0	48.9	49.2	49.7	49.7	49.8	50.1	50.3	50.3	50.3	50.3	50.7	50.7
14.0	48.5	50.5	51.3	52.1	52.4	52.9	52.9	53.0	53.3	53.5	53.5	53.5	53.5	53.9	53.9
14.2	51.5	53.5	54.2	55.2	55.7	56.2	56.2	56.3	56.5	56.8	56.8	56.8	56.8	57.1	57.1
15.1	54.6	56.9	57.7	58.8	59.3	59.9	59.9	60.0	60.2	60.5	60.5	60.5	60.5	60.8	60.8
15.2	58.1	60.5	61.3	62.5	63.0	63.6	63.6	63.7	63.9	64.2	64.2	64.2	64.2	64.5	64.5
15.4	60.8	63.2	64.2	65.4	65.8	66.4	66.4	66.5	66.8	67.0	67.0	67.0	67.0	67.4	67.4
16.2	65.9	68.5	69.4	70.6	71.1	71.9	71.9	72.0	72.3	72.5	72.5	72.5	72.5	72.9	72.9
17.3	71.6	74.4	75.7	77.4	77.9	78.7	78.7	78.9	79.1	79.3	79.3	79.3	79.3	79.7	79.7
17.7	72.6	75.5	76.9	78.6	79.1	79.9	79.9	80.0	80.3	80.5	80.5	80.5	80.5	80.9	80.9
18.4	75.3	78.4	79.8	81.5	82.0	82.8	82.8	82.9	83.2	83.4	83.4	83.4	83.4	83.8	83.8
18.5	77.3	80.4	81.8	83.5	84.0	84.8	84.8	84.9	85.2	85.4	85.4	85.4	85.4	85.8	85.8
18.6	79.0	82.3	84.0	85.8	86.3	87.1	87.1	87.2	87.5	87.7	87.7	87.7	87.7	88.1	88.1
18.6	79.8	83.3	84.9	86.7	87.2	88.1	88.1	88.2	88.4	88.6	88.6	88.6	88.6	89.0	89.0
18.6	80.5	84.1	85.8	87.6	88.1	88.9	88.9	89.0	89.2	89.5	89.5	89.5	89.5	89.8	89.8
18.6	80.6	84.2	86.0	87.8	88.3	89.1	89.1	89.2	89.5	89.7	89.7	89.7	89.7	90.1	90.1
18.6	91.1	84.7	87.0	88.8	89.2	90.1	90.1	90.2	90.4	90.7	90.7	90.7	90.7	91.0	91.0
18.8	82.6	86.4	88.8	90.6	91.2	92.0	92.0	92.1	92.4	92.6	92.6	92.6	92.6	93.0	93.0
18.8	82.9	87.3	90.0	92.1	92.7	93.5	93.8	93.9	94.1	94.4	94.4	94.5	94.5	94.9	94.9
18.8	83.3	87.7	90.4	92.8	93.5	94.6	95.1	95.2	95.7	95.9	96.1	96.4	96.4	96.8	96.8
18.8	83.3	87.7	90.4	92.8	93.5	94.7	95.2	95.7	96.4	96.7	96.8	97.6	97.6	98.4	98.6
18.8	83.3	87.7	90.4	92.8	93.5	94.7	95.3	95.8	96.7	96.9	97.0	98.2	98.4	99.6	99.9
18.8	83.3	87.7	90.4	92.8	93.5	94.7	95.3	95.8	96.7	96.9	97.0	98.2	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1600-1800

17.6	22.6	24.[illegible]	24.5	24.9	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.2	25.4	25.6	25.7		
[illegible].4	25.3	27.[illegible]	27.4	27.7	27.8	27.8	27.8	27.8	27.8	28.2	28.2	28.1	28.3	28.4	28.5		
[illegible].7	25.6	27.2	27.6	28.0	28.1	28.1	28.1	28.1	28.1	28.2	28.2	28.3	28.6	28.7	28.8		
21.1	26.[illegible]	27.7	28.1	28.4	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.8	29.2	29.2	29.2		
22.[illegible]	26.9	28.6	28.9	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.6	29.9	30.0	30.1		
22.3	25.0	29.6	30.0	30.3	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.7	30.9	31.1	31.2		
23.1	29.0	30.7	31.1	31.4	31.5	31.5	31.5	31.5	31.5	31.7	31.7	31.8	32.0	32.1	32.3		
23.2	29.2	30.9	31.3	31.7	31.8	31.8	31.8	31.8	31.8	31.9	31.9	32.0	32.3	32.4	32.5		
27.7	30.5	32.3	32.6	33.0	33.1	33.1	33.1	33.1	33.1	33.2	33.2	33.3	33.6	33.7	33.8		
29.4	31.8	33.[illegible]	33.9	34.3	34.4	34.4	34.4	34.4	34.4	34.5	34.5	34.6	34.9	35.0	35.1		
29.[illegible]	32.9	34.6	35.0	35.4	35.5	35.5	35.5	35.5	35.6	35.7	35.7	35.8	36.1	36.2	36.3		
29.4	35.7	37.6	38.0	38.4	38.5	38.5	38.5	38.5	38.6	38.7	38.7	38.8	39.1	39.2	39.3		
33.3	38.4	4[illegible].4	40.7	41.1	41.2	41.2	41.2	41.2	41.3	41.5	41.5	41.6	41.8	41.9	42.1		
[illegible].2	42.4	44.4	44.8	45.3	45.4	45.5	45.5	45.5	45.6	45.8	45.9	45.9	46.0	46.2	46.4	46.5	
31.[illegible]	46.6	48.6	49.[illegible]	49.5	49.7	49.8	49.8	49.9	50.2	50.3	50.3	50.4	50.7	50.9	51.0		
33.[illegible]	49.7	51.7	52.2	53.0	53.3	53.5	53.9	54.0	54.2	54.4	54.4	54.5	54.7	55.0	55.1		
34.[illegible]	53.0	55.2	56.2	57.2	57.6	57.9	58.3	58.4	58.7	58.8	58.6	58.9	59.1	59.4	59.5		
36.9	57.2	59.5	60.5	61.5	61.9	62.2	62.6	62.7	63.0	63.1	63.1	63.2	63.4	63.7	63.8		
36.9	57.8	60.1	61.1	62.1	62.5	62.8	63.2	63.3	63.6	63.7	63.7	63.8	64.0	64.3	64.4		
38.5	62.4	64.9	65.7	67.1	67.6	68.0	68.3	68.5	68.7	68.8	68.8	68.9	69.2	69.4	69.5		
39.1	66.1	68.5	69.7	71.2	71.8	72.2	72.5	72.6	72.9	73.0	73.0	73.1	73.4	73.6	73.7		
39.4	67.5	70.1	71.4	73.1	73.7	74.1	74.4	74.7	74.9	75.0	75.0	75.1	75.4	75.6	75.7		
39.9	68.5	71.1	72.5	74.2	74.8	75.1	75.5	75.7	76.0	76.1	76.1	76.2	76.5	76.7	76.8		
39.9	69.5	72.3	74.0	75.6	76.2	76.6	76.9	77.2	77.4	77.5	77.5	77.7	77.9	78.1	78.2		
39.9	70.4	73.2	75.0	76.8	77.4	77.8	78.1	78.4	78.6	78.7	78.7	78.9	79.1	79.3	79.5		
40.0	71.2	74.1	76.0	77.9	78.5	78.9	79.3	79.6	79.9	80.2	80.2	80.2	80.4	80.6	80.8		
40.0	72.0	75.6	77.9	80.5	81.1	81.8	82.3	82.8	83.2	83.4	83.4	83.5	83.8	84.0	84.1		
40.1	72.3	76.0	78.6	81.8	82.4	83.4	84.7	85.8	86.3	86.7	86.7	86.9	87.1	87.3	87.5		
40.1	72.3	76.0	78.9	82.1	82.7	84.3	86.7	88.3	89.6	90.7	90.7	91.5	91.8	92.1	92.2		
40.1	72.3	76.0	79.1	82.3	82.9	84.7	87.1	88.6	90.3	92.1	92.2	94.0	94.6	96.1	96.9		
40.1	72.3	76.0	79.1	82.3	82.9	84.7	87.1	88.6	90.4	92.2	92.4	94.4	95.6	97.7	99.5		
40.1	72.3	76.0	79.1	82.3	82.9	84.7	87.1	88.6	9[illegible].4	92.2	92.4	94.5	95.7	98.7	100.0		

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 [illegible] [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

27.3	32.7	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
29.5	35.1	36.7	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
29.6	35.2	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
29.7	35.4	36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
30.5	36.1	37.6	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
31.4	37.6	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
32.5	38.5	40.0	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
33.1	39.1	40.6	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
33.5	40.3	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
33.7	40.9	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.9	41.6	43.2	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
35.1	43.2	44.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
36.7	45.6	47.3	47.4	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
40.6	50.9	52.6	52.7	52.8	52.8	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0
44.1	55.6	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8
47.1	60.2	62.1	62.4	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1
49.6	65.2	67.1	67.4	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1
52.6	69.7	72.1	72.3	72.9	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
52.9	70.5	72.9	73.2	73.8	73.8	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
54.5	76.5	79.2	79.6	80.3	80.3	80.4	80.4	80.5	80.8	80.8	80.8	80.8	80.9	80.9	80.9
55.7	80.6	83.5	84.1	84.9	84.9	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
55.9	82.4	85.9	86.5	87.3	87.3	87.8	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
56.1	83.2	86.9	87.8	88.6	88.8	89.2	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
56.1	83.6	87.6	88.5	89.8	90.1	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.2	91.2	91.2
56.1	84.1	89.6	90.1	91.8	92.3	92.6	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
56.1	84.3	89.9	90.6	93.0	93.4	94.4	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7
56.1	84.7	89.4	91.2	93.7	94.3	95.9	97.1	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
56.1	84.7	89.4	91.2	93.8	94.4	96.3	98.2	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6
56.1	84.7	89.4	91.2	93.8	94.4	96.3	98.3	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9
56.1	84.7	89.4	91.2	93.8	94.4	96.3	98.3	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0
56.1	84.7	89.4	91.2	93.8	94.4	96.3	98.3	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0
56.1	84.7	89.4	91.2	93.8	94.4	96.3	98.3	98.9	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

2

HAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DAY AAF/FT LEWIS WA   73-81   JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

47.4	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
49.4	50.4	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
[illegible]	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	51.0	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
[illegible]	51.5	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
[illegible]	52.3	52.7	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
[illegible]	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
[illegible]	54.6	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
[illegible]	56.5	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
[illegible]	57.1	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
[illegible]	58.2	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
[illegible]	60.2	60.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
[illegible]	62.6	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
[illegible]	66.3	67.7	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
[illegible]	72.3	72.6	72.8	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
[illegible]	79.3	80.2	80.4	80.5	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
67.0	84.1	85.3	85.5	85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
[illegible]	88.9	90.4	90.7	91.0	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
[illegible]	90.2	91.8	92.0	92.4	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
[illegible]	92.1	93.8	94.0	94.4	94.5	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
71.2	93.9	95.7	95.9	96.4	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
71.2	94.3	96.4	96.8	97.5	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
71.2	94.4	96.5	96.9	97.7	97.8	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
71.7	94.5	96.7	97.0	97.8	98.0	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
71.3	94.7	96.9	97.3	98.1	98.3	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.3	94.7	96.9	97.3	98.1	98.4	99.0	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

2

RAL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

RAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

49.7	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
55.7	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
56.5	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
57.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
58.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
58.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
59.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
60.0	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
61.2	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
61.8	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
62.7	68.0	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
64.4	71.1	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
65.7	72.5	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
67.2	76.1	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
71.9	81.6	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
74.4	86.9	87.6	87.8	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
76.1	90.7	92.4	92.6	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
77.1	92.6	94.5	95.0	95.9	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
77.1	92.7	94.6	95.1	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
77.1	93.7	95.7	96.5	97.6	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
77.1	94.0	96.2	97.1	98.3	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
77.1	94.0	96.2	97.1	98.4	98.4	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
77.1	94.0	96.2	97.1	98.4	98.4	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
77.1	94.0	96.2	97.1	98.4	98.4	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
77.1	94.0	96.3	97.3	98.6	98.6	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

49.[illegible]	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
53.3	62.5	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
53.7	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
54.6	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
55.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
55.6	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
56.9	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
57.1	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
57.8	70.7	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
58.7	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
59.1	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
61.5	75.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
62.4	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
64.[illegible]	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65.[illegible]	86.5	87.1	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
65.8	88.6	89.5	89.6	90.0	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
66.5	91.8	93.0	93.1	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
67.1	93.7	95.0	95.1	95.8	95.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
67.1	94.1	95.5	95.6	96.3	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
67.1	94.9	96.3	96.4	97.4	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
67.1	95.1	96.5	96.7	97.7	97.7	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
67.1	95.2	96.8	96.9	98.1	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
67.1	95.3	96.9	97.0	98.2	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
67.1	95.3	96.9	97.0	98.2	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
67.1	95.3	96.9	97.1	98.3	98.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
67.1	95.3	96.9	97.1	98.3	98.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
67.1	95.3	96.9	97.1	98.4	98.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

2

L RAL CLIMATOLOGY BRANCH
EFLTAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

1 .9	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
19.3	63.9	63.9	63.9	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
19.7	64.4	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
19.8	64.6	64.6	64.6	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
19.4	65.8	65.8	65.8	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
19.5	67.1	67.1	67.1	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
20.1	69.1	69.1	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
20.1	69.4	69.4	69.4	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
20.9	70.8	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2 .9	72.3	72.5	72.5	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
20.9	73.4	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
21.3	77.2	77.4	77.4	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
22.1	79.0	79.3	79.3	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
22.6	83.1	83.4	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
23.1	85.6	86.1	86.1	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
23.3	87.2	87.6	87.6	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
23.7	91.3	91.9	91.9	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
23.7	93.4	94.1	94.1	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
23.7	93.9	94.6	94.6	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
23.9	94.9	95.6	95.6	96.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
23.9	95.2	95.9	95.9	96.5	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
23.9	95.8	96.5	96.5	97.1	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
23.9	96.3	97.1	97.1	97.7	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
23.9	96.3	97.1	97.1	97.7	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
23.9	96.3	97.1	97.3	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
23.9	96.3	97.3	97.4	98.4	98.6	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.9	96.3	97.3	97.4	98.6	98.7	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23.9	96.3	97.3	97.4	98.7	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.9	96.3	97.3	97.4	98.7	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.9	96.3	97.3	97.4	98.7	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.9	96.3	97.3	97.4	98.7	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
23.9	96.3	97.3	97.4	98.7	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible]	46.5	47.2	47.4	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.9	47.9	48.0	[illegible]
50.7	49.3	50.0	50.2	50.4	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.9
51.1	49.7	50.4	50.6	50.8	50.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.3
51.4	50.0	50.7	51.0	51.1	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.6	51.6
51.9	50.9	51.6	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4
52.4	52.0	52.7	53.0	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.6	53.6
53.1	53.5	54.2	54.5	54.6	54.7	54.8	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.1
53.3	53.9	54.7	55.0	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.6	55.6
53.9	55.2	56.1	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9
54.3	56.1	57.1	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9
54.7	57.2	58.2	58.4	58.6	58.7	58.8	58.8	58.9	58.8	58.9	58.9	58.9	59.0	59.0	59.1
55.9	60.2	61.2	61.4	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.1
57.0	62.4	63.4	63.7	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.4	64.4
58.9	66.7	67.7	68.0	68.2	68.4	68.5	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.8	68.8
61.6	70.3	71.4	71.7	72.1	72.2	72.3	72.4	72.4	72.5	72.6	72.6	72.6	72.7	72.7	72.7
62.2	74.0	75.3	75.6	76.2	76.3	76.5	76.6	76.6	76.7	76.8	76.8	76.8	76.9	76.9	76.9
63.4	78.2	79.7	80.2	80.8	81.0	81.2	81.3	81.3	81.5	81.5	81.5	81.6	81.6	81.7	81.7
64.6	81.8	83.6	84.1	84.9	85.1	85.4	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.9	85.9
64.8	82.5	84.3	84.9	85.7	85.9	86.1	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.6	86.6
65.5	84.9	86.9	87.5	88.4	88.6	89.0	89.2	89.2	89.3	89.4	89.4	89.4	89.5	89.5	89.6
65.8	86.6	88.7	89.4	90.4	90.6	91.0	91.2	91.2	91.3	91.4	91.4	91.4	91.5	91.5	91.6
65.9	87.5	89.8	90.5	91.6	91.9	92.3	92.6	92.6	92.7	92.8	92.8	92.8	92.9	93.0	93.0
66.0	87.9	90.3	91.1	92.2	92.4	93.0	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6
66.1	88.3	90.7	91.5	92.7	93.0	93.5	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.2	94.2
66.1	88.5	91.1	92.0	93.4	93.6	94.2	94.5	94.5	94.7	94.8	94.8	94.8	94.9	94.9	94.9
66.1	88.8	91.4	92.4	93.9	94.2	94.8	95.2	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7
66.0	89.1	91.8	93.0	94.5	94.9	95.7	96.1	96.3	96.5	96.6	96.6	96.6	96.6	96.7	96.7
66.0	89.2	92.0	93.2	95.0	95.3	96.2	96.9	97.1	97.4	97.5	97.5	97.6	97.6	97.7	97.7
66.0	89.3	92.1	93.3	95.1	95.4	96.4	97.3	97.7	98.0	98.3	98.3	98.4	98.5	98.6	98.6
66.0	89.3	92.1	93.4	95.1	95.5	96.5	97.4	97.8	98.2	98.5	98.6	98.9	99.0	99.3	99.4
66.0	89.3	92.1	93.4	95.1	95.5	96.5	97.4	97.8	98.3	98.6	98.6	99.1	99.2	99.7	99.9
66.0	89.3	92.1	93.4	95.1	95.5	96.5	97.4	97.8	98.3	98.6	98.6	99.1	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

USAF ETAC [illegible] 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] ARMY AAF/FT LEWIS WA 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

6.2	53.1	54.1	55.1	55.3	55.9	56.2	56.3	56.4	56.7	57.0	57.0	57.3	57.5	58.0	58.6
6.2	54.1	55.1	56.0	56.3	56.9	57.2	57.3	57.4	57.7	58.0	58.0	58.3	58.5	59.2	59.6
6.2	54.0	55.1	56.0	56.3	56.9	57.2	57.3	57.4	57.7	58.0	58.0	58.3	58.5	59.0	59.6
6.2	54.1	55.1	56.0	56.3	56.9	57.2	57.3	57.4	57.7	58.0	58.0	58.3	58.5	59.0	59.6
6.2	54.3	55.9	56.9	57.3	57.9	58.1	58.3	58.4	58.6	59.0	59.0	59.3	59.5	60.0	60.6
6.3	56.2	57.3	58.3	58.6	59.3	59.5	59.6	59.8	60.0	60.4	60.4	60.6	60.9	61.4	62.0
6.3	57.0	58.1	59.1	59.5	60.1	60.4	60.5	60.6	60.9	61.2	61.2	61.5	61.7	62.0	62.8
6.3	58.0	59.1	60.1	60.5	61.1	61.4	61.5	61.6	61.9	62.2	62.2	62.5	62.7	63.2	63.6
6.3	59.1	60.2	61.2	61.6	62.2	62.5	62.6	62.7	63.0	63.3	63.3	63.6	63.8	64.3	64.9
6.4	60.1	61.2	62.2	62.6	63.2	63.5	63.6	63.7	64.0	64.3	64.3	64.6	64.8	65.3	65.9
6.4	61.2	62.3	63.3	63.7	64.3	64.6	64.7	64.8	65.1	65.4	65.4	65.7	65.9	66.4	67.
6.5	65.8	66.9	67.9	68.3	68.9	69.1	69.3	69.4	69.6	70.0	70.0	70.2	70.5	71.0	71.6
6.5	68.6	69.9	70.9	71.2	71.9	72.1	72.2	72.3	72.6	73.0	73.0	73.2	73.5	74.0	74.6
6.5	72.1	73.5	74.4	74.8	75.4	75.7	75.8	75.9	76.2	76.5	76.5	76.8	77.0	77.5	78.1
6.5	76.0	77.4	78.5	79.4	80.0	80.2	80.4	80.5	80.7	81.1	81.1	81.4	81.6	82.1	82.7
6.5	78.1	79.8	80.9	81.9	82.5	82.7	82.8	83.0	83.2	83.6	83.6	83.8	84.1	84.6	85.2
6.7	81.7	83.5	84.6	85.6	86.3	86.5	86.7	86.8	87.0	87.4	87.4	87.7	87.9	88.4	89.0
6.7	84.0	86.0	87.2	88.3	89.0	89.3	89.4	89.5	89.8	90.1	90.1	90.4	90.6	91.1	91.7
6.7	84.4	86.5	87.7	88.8	89.5	89.8	89.9	90.0	90.2	90.6	90.6	90.9	91.1	91.6	92.2
6.7	85.6	87.7	88.9	90.0	90.7	91.0	91.1	91.2	91.5	91.9	91.9	92.1	92.3	92.8	93.5
6.7	86.3	88.4	89.6	90.7	91.5	91.7	91.9	92.0	92.2	92.6	92.6	92.8	93.1	93.6	94.2
6.7	86.5	88.6	89.9	91.1	91.9	92.1	92.2	92.3	92.6	93.0	93.0	93.2	93.5	94.0	94.6
6.7	86.9	89.1	90.4	91.7	92.5	92.7	92.8	93.0	93.2	93.6	93.6	93.8	94.1	94.6	95.2
6.7	87.2	89.4	90.6	92.1	92.8	93.1	93.2	93.3	93.6	94.0	94.0	94.2	94.4	94.9	95.6
6.7	87.7	90.0	91.2	92.8	93.6	93.8	94.0	94.1	94.3	94.7	94.7	94.9	95.2	95.7	96.3
6.7	87.7	90.1	91.4	93.0	93.7	94.0	94.1	94.2	94.4	94.8	94.8	95.1	95.3	95.8	96.4
6.7	87.8	90.2	91.5	93.1	93.8	94.3	94.4	94.7	94.9	95.3	95.3	95.6	95.8	96.3	96.9
6.7	87.8	90.4	91.7	93.6	94.3	94.9	95.1	95.3	95.6	95.9	95.9	96.2	96.4	96.9	97.5
6.7	87.8	90.5	92.0	94.0	94.7	95.3	95.4	95.8	96.0	96.4	96.4	96.7	96.9	97.4	98.0
6.7	87.8	90.5	92.0	94.0	94.7	95.3	95.4	95.8	96.0	96.4	96.4	96.7	97.0	97.7	98.3
6.7	87.8	90.5	92.1	94.1	94.8	95.4	95.6	95.9	96.2	96.5	96.5	96.8	97.3	98.1	100.0
6.7	87.8	90.5	92.1	94.1	94.8	95.4	95.6	95.9	96.2	96.5	96.5	96.8	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC [illegible] 0-14-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

RAY AAF/FT LEWIS WA 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

6.9	39.5	41.5	43.0	44.9	45.2	45.7	45.8	45.9	47.4	47.5	47.5	47.8	48.[illegible]	49.3	49.[illegible]
6.9	4[illegible].4	42.3	44.0	45.9	46.2	46.7	46.8	46.9	48.4	48.5	48.5	48.8	49.0	49.3	50.0
6.9	40.4	42.3	44.0	45.9	46.2	46.7	46.8	46.9	48.4	48.5	48.5	48.8	49.0	49.3	50.0
6.9	4[illegible].4	42.3	44.0	45.9	46.2	46.7	46.8	46.9	48.4	48.5	48.5	48.8	49.0	49.3	50.0
6.9	41.0	43.0	44.6	46.5	46.8	47.3	47.4	47.5	49.0	49.1	49.1	49.4	49.6	49.9	50.6
7.0	41.7	43.7	45.3	47.3	47.5	48.0	48.1	48.3	49.8	49.9	49.9	50.1	50.4	50.6	51.4
7.0	42.7	44.7	46.3	48.4	48.6	49.1	49.3	49.4	50.9	51.0	51.0	51.2	51.5	51.7	52.5
7.0	43.8	45.8	47.4	49.5	49.8	50.2	50.4	50.5	52.0	52.1	52.1	52.3	52.6	52.8	53.6
7.2	45.6	47.5	49.1	51.2	51.5	52.0	52.1	52.2	53.7	53.8	53.8	54.1	54.3	54.6	55.3
7.3	46.9	48.9	50.5	52.6	52.8	53.3	53.5	53.6	55.1	55.2	55.2	55.4	55.7	55.9	56.7
7.3	48.4	50.4	52.0	54.1	54.3	54.8	54.9	55.1	56.5	56.7	56.7	56.9	57.2	57.4	58.1
7.7	52.6	54.6	56.2	58.3	58.5	59.0	59.1	59.3	60.7	60.9	60.9	61.1	61.4	61.6	62.3
7.8	54.4	56.5	58.3	60.4	60.6	6[illegible].2	61.4	61.5	63.0	63.1	63.1	63.3	63.6	63.8	64.6
8.1	58.4	60.7	62.6	64.9	65.2	65.9	66.0	66.0	67.7	67.8	67.8	68.0	68.3	68.5	69.3
8.3	61.7	64.2	66.3	69.0	69.3	70.1	70.2	70.4	71.9	72.0	72.0	72.2	72.5	72.7	73.5
8.3	63.6	66.3	68.5	71.4	71.6	72.7	72.8	73.0	74.4	74.6	74.6	74.8	75.1	75.3	76.0
8.3	65.6	68.3	70.6	73.5	73.7	74.8	74.9	75.1	76.5	76.7	76.7	76.9	77.2	77.4	78.1
8.5	69.4	72.2	74.8	77.7	77.9	79.0	79.1	79.3	80.7	80.9	80.9	81.1	81.4	81.6	82.3
8.5	69.6	72.5	75.1	77.9	78.1	79.3	79.4	79.5	81.0	81.1	81.1	81.4	81.6	81.9	82.6
8.6	72.2	75.1	77.7	80.6	80.9	82.1	82.2	82.3	83.8	84.0	84.0	84.2	84.4	84.7	85.4
8.6	73.7	76.5	79.3	82.2	82.5	83.7	83.8	84.0	85.4	85.6	85.6	85.8	86.0	86.3	87.0
8.8	74.9	78.[illegible]	80.7	83.7	84.0	85.2	85.3	85.4	86.9	87.0	87.0	87.3	87.5	87.8	88.5
8.8	75.7	78.9	81.6	84.6	84.8	86.0	86.2	86.3	87.8	87.9	87.9	88.1	88.4	88.6	89.4
8.8	76.3	79.5	82.2	85.3	85.6	86.9	87.0	87.2	88.6	88.8	88.8	89.0	89.3	89.5	90.2
8.8	76.5	79.8	82.5	85.6	85.8	87.2	87.3	87.4	88.9	89.1	89.1	89.4	89.6	89.9	90.6
8.8	76.7	80.0	82.7	85.8	86.0	87.4	87.8	88.0	89.5	89.8	89.8	90.0	90.2	90.5	91.2
8.8	77.4	81.1	83.8	87.3	87.5	88.9	89.3	89.5	91.0	91.2	91.2	91.5	91.7	92.0	92.7
8.8	77.5	81.4	84.1	87.8	88.0	89.5	89.9	90.2	91.7	92.0	92.0	92.3	92.6	92.8	93.6
8.8	77.7	81.6	84.3	88.5	88.8	90.6	91.0	91.4	93.0	93.2	93.2	93.8	94.2	94.4	95.3
8.8	77.7	81.6	84.3	88.5	88.8	91.1	91.9	92.2	94.1	94.6	94.6	95.6	95.9	96.2	97.4
8.8	77.7	81.6	84.3	88.5	88.8	91.2	92.0	92.3	94.2	94.8	94.8	95.9	96.4	97.0	99.5
8.8	77.7	81.6	84.3	88.5	88.8	91.2	92.0	92.3	94.2	94.8	94.8	95.9	96.4	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

[illegible]	29.5	31.9	33.3	34.6	35.1	35.8	36.2	36.2	36.7	37.2	37.2	37.8	37.9	38.8	39.4
31.4	33.4	32.7	34.2	35.6	36.0	36.9	37.4	37.5	38.0	38.6	38.6	39.3	39.4	40.2	40.9
31.4	33.7	33.1	34.6	35.9	36.4	37.3	37.8	37.9	38.4	39.0	39.0	39.6	39.8	40.6	41.2
21.5	33.9	33.2	34.7	36.0	36.5	37.4	37.9	38.0	38.5	39.1	39.1	39.8	39.9	40.7	41.4
22.2	31.9	34.2	35.7	37.0	37.5	38.4	38.9	39.0	39.5	40.1	40.1	40.7	40.9	41.7	42.3
22.7	32.3	34.8	36.4	37.8	38.3	39.1	39.6	39.8	40.2	40.9	40.9	41.5	41.6	42.5	43.1
23.6	33.7	36.2	37.8	39.1	39.6	40.5	41.0	41.1	41.6	42.2	42.2	42.9	43.0	43.8	44.4
23.7	34.1	36.7	38.3	39.6	40.1	41.0	41.5	41.6	42.1	42.7	42.7	43.3	43.5	44.3	44.9
24.9	37.0	39.6	41.2	42.7	43.2	44.3	44.9	45.1	45.6	46.2	46.2	46.8	46.9	47.8	48.4
25.4	38.1	40.9	42.5	44.4	44.9	46.2	46.8	47.0	47.5	48.1	48.1	48.8	48.9	49.8	50.5
25.9	39.0	41.7	43.3	45.3	45.8	47.0	47.7	47.9	48.4	49.1	49.1	49.8	49.9	50.7	51.5
27.1	41.7	44.4	46.0	48.0	48.5	49.8	50.4	50.6	51.1	51.9	51.9	52.5	52.6	53.5	54.2
27.8	44.3	47.3	48.9	50.9	51.4	52.6	53.2	53.5	54.0	54.7	54.7	55.3	55.4	56.3	57.0
28.1	49.0	52.3	54.1	56.0	56.5	58.0	58.8	59.0	59.5	60.2	60.2	60.9	61.0	61.9	62.6
29.4	53.1	56.4	58.3	60.2	60.7	62.2	63.0	63.2	63.7	64.4	64.4	65.1	65.2	66.0	66.9
29.6	55.1	58.6	60.5	62.5	63.1	64.6	65.3	65.6	66.0	66.8	66.8	67.4	67.5	68.4	69.3
30.5	59.3	63.7	65.6	67.8	68.4	69.9	70.6	70.9	71.4	72.1	72.1	72.7	72.8	73.7	74.6
31.2	62.0	66.8	68.8	71.2	71.9	73.3	74.1	74.3	74.8	75.6	75.6	76.2	76.3	77.2	78.0
31.6	62.7	67.5	69.5	72.0	72.6	74.1	74.8	75.1	75.6	76.3	76.3	76.9	77.[illegible]	77.9	78.8
31.9	64.3	69.5	71.5	74.0	74.6	76.2	77.0	77.3	77.8	78.5	78.5	79.1	79.3	80.1	81.0
32.[illegible]	65.2	70.6	72.7	75.2	75.8	77.4	78.3	78.5	79.0	79.8	79.8	80.4	80.5	81.4	82.2
32.3	65.6	71.2	73.3	75.8	76.4	78.0	79.0	79.4	79.9	80.6	80.6	81.2	81.4	82.2	83.1
32.3	66.0	71.7	73.8	76.7	77.3	78.9	79.9	80.2	80.7	81.5	81.5	82.1	82.2	83.1	84.0
32.5	66.5	72.2	74.4	77.4	78.1	79.9	81.0	81.5	82.0	82.7	82.7	83.3	83.5	84.4	85.3
32.5	66.8	72.6	74.9	78.0	78.8	80.5	81.7	82.3	82.8	83.6	83.6	84.2	84.3	85.3	86.2
32.5	67.0	73.3	75.7	78.9	79.6	81.6	82.8	83.6	84.1	84.8	84.8	85.4	85.6	86.5	87.4
32.5	67.2	73.6	76.2	80.0	81.0	83.2	84.7	85.4	86.3	87.0	87.0	87.7	87.8	88.8	89.6
32.5	67.3	73.8	76.7	80.7	81.9	84.1	86.3	87.2	88.1	88.9	88.9	89.6	89.8	90.7	91.6
32.5	67.3	74.0	76.8	81.0	82.1	84.3	87.0	87.9	89.1	89.9	90.1	90.9	91.1	92.3	93.3
32.5	67.4	74.1	76.9	81.1	82.2	84.4	87.3	88.1	89.5	90.9	91.5	93.0	93.3	94.9	97.7
32.5	67.4	74.1	76.9	81.1	82.2	84.4	87.3	88.1	89.5	90.9	91.5	93.3	93.7	95.7	99.3
32.5	67.4	74.1	76.9	81.1	82.2	84.4	87.3	88.1	89.5	90.9	91.5	93.3	93.7	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC [illegible] 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA — 73-81 — SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2900-1100

2[illegible]	36.8	38.[illegible]	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1
31.6	39.8	41.2	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
32.0	40.1	41.6	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7
32.3	40.5	42.0	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1
33.8	42.2	43.9	44.6	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1
34.7	43.3	44.9	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3
35.1	43.8	45.4	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8
35.8	44.6	46.2	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5
36.8	46.0	47.7	48.6	49.1	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
37.7	47.8	49.4	50.4	50.9	51.0	51.2	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4
38.9	49.6	51.2	52.2	52.7	52.8	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
40.4	52.3	54.1	55.3	55.8	55.9	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
41.6	55.8	57.5	58.8	59.3	59.4	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8
44.1	60.7	62.5	63.8	64.3	64.4	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
44.6	64.[illegible]	65.8	67.5	68.0	68.1	68.4	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8
45.7	67.2	69.4	71.1	71.6	71.7	72.0	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5
47.5	71.1	73.5	75.2	76.0	76.2	76.4	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
48.9	73.5	75.9	77.7	78.5	78.6	79.1	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
49.3	74.7	77.2	78.9	79.9	80.0	80.5	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
49.9	77.9	80.7	82.5	83.6	83.7	84.2	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
50.0	79.9	83.2	84.9	86.2	86.3	86.8	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
50.1	81.1	84.8	86.7	88.0	88.1	88.6	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3
50.1	81.4	85.7	87.5	88.9	89.0	89.5	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
50.1	81.9	86.7	88.5	90.2	90.5	91.4	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
50.1	81.9	86.9	88.8	90.5	90.7	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
50.1	82.3	87.4	89.3	91.4	91.7	92.8	93.3	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6
50.1	82.5	87.5	89.4	91.9	92.7	94.2	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
50.1	82.5	87.5	89.4	92.0	93.0	94.6	96.0	96.4	96.8	97.2	97.2	97.3	97.3	97.3	97.3
50.1	82.5	87.5	89.4	92.0	93.0	94.6	96.2	96.9	97.5	98.3	98.3	98.4	98.4	98.4	98.4
50.1	82.5	87.5	89.4	92.0	93.0	94.6	96.2	96.9	97.5	98.4	98.4	98.8	99.0	99.3	99.3
50.1	82.5	87.5	89.4	92.1	93.1	94.7	96.3	97.0	97.7	98.5	98.5	98.9	99.1	99.6	99.9
50.1	82.5	87.5	89.4	92.1	93.1	94.7	96.3	97.0	97.7	98.5	98.5	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS WA 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

41.7	46.2	46.5	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
45.3	51.2	51.7	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
46.7	51.6	52.1	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
46.9	51.9	52.3	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
47.7	52.8	53.3	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
48.0	53.2	53.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
49.5	54.2	54.7	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
49.5	54.2	54.7	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
50.5	56.7	57.2	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
52.1	59.0	59.5	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
53.3	61.1	61.6	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
54.5	63.3	64.2	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
56.3	66.2	67.3	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
59.5	71.4	72.7	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
61.1	76.7	78.3	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
63.2	80.9	82.6	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
65.8	85.7	87.9	88.6	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
66.7	88.1	90.4	91.1	92.1	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
66.7	89.0	91.2	92.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
66.7	90.2	92.7	93.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
66.7	91.6	94.1	94.9	95.9	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
67.0	92.2	95.1	95.9	96.9	97.2	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
67.0	92.2	95.3	96.2	97.2	97.4	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
67.0	92.2	95.3	96.4	97.5	97.9	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
67.0	92.2	95.3	96.4	97.9	98.3	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
67.0	92.2	95.3	96.5	98.0	98.5	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
67.0	92.2	95.3	96.5	98.0	98.5	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
67.0	92.2	95.3	96.5	98.0	98.5	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
67.0	92.2	95.3	96.5	98.0	98.5	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
67.0	92.2	95.3	96.5	98.0	98.5	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
67.0	92.2	95.3	96.5	98.0	98.5	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
67.0	92.2	95.3	96.5	98.0	98.5	98.9	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

AL CLIMATOLOGY BRANCH
TAC
ATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

AY AAF/ET LEWIS WA

RRENCE
ATIONS

44.	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
51.7	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
52.1	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
52.2	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
53.	58.6	59.	59.	59.	59.	59.	59.	59.	59.	59.	59.	59.	59.	59.	59.
53.6	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
54.6	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
55.1	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
56.	62.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
57.8	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
[illegible]	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
[illegible]	70.0	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
62.1	72.8	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
[illegible]	78.9	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
[illegible]	84.6	85.8	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
[illegible]	87.9	89.	89.9	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
[illegible]	91.5	93.	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
70.2	93.3	95.1	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
70.	93.3	95.1	95.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
[illegible]	93.6	95.7	96.3	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
70.4	94.2	96.0	97.3	98.5	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
70.4	94.2	96.0	97.4	98.6	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
70.4	94.2	96.0	97.5	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
70.4	94.2	96.0	97.5	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70.4	94.3	96.2	97.8	99.1	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 812

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible]

CEILING VERSUS VISIBILITY

[illegible] 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

[illegible]	54.3	54.3	54.6	54.7	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
[illegible]	59.4	59.4	59.8	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	[illegible]
[illegible]	59.8	59.8	60.1	60.2	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
[illegible]	[illegible]	[illegible]	60.6	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
[illegible]	61.6	61.6	62.	62.1	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
[illegible]	62.5	[illegible]	62.8	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
[illegible]	63.7	[illegible]	64.1	64.2	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
[illegible]	64.2	64.2	64.6	64.7	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
[illegible]	66.2	[illegible]	66.7	66.8	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
1.1	[illegible]	[illegible]	69.1	69.3	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
[illegible]	70.5	[illegible]	71.0	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
42.5	74.4	74.7	75.2	75.4	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
42.5	76.7	77.0	77.5	77.8	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
[illegible]	81.7	[illegible]	83.2	83.6	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
44.5	85.4	[illegible]	87.0	87.5	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
[illegible]	88.8	89.4	90.4	91.0	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
45.1	91.5	92.6	93.8	94.7	94.8	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
45.5	93.1	94.4	95.9	96.9	[illegible]	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
45.6	93.1	94.7	96.2	97.2	97.3	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
45.6	93.1	94.9	96.4	97.4	97.7	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
45.6	93.1	94.9	96.7	97.9	98.1	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
45.6	93.1	94.9	96.7	97.9	98.1	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
45.6	93.1	94.9	96.8	98.0	98.3	98.9	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible]

CEILING VERSUS VISIBILITY

AN 88P/FT LEWIS [illegible] 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE [illegible]
FROM HOURLY OBSERVATIONS

11.4	[illegible]	[illegible].7	61.[illegible]	61.7	61.9	62.0	62.0	62.0	62.0	62.5	62.7	62.5	62.6	62.6	62.6	62.6	[illegible]
11.[illegible]	62.6	62.8	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4
11.[illegible]	62.6	62.8	63.6	63.7	63.8	63.8	63.8	63.8	64.1	64.3	64.3	64.3	64.4	64.4	64.4	[illegible]	[illegible]
11.[illegible]	62.7	63.[illegible]	63.7	63.8	64.0	64.0	64.0	64.0	64.2	64.4	64.4	64.4	64.6	64.6	64.6	64.6	[illegible]
11.[illegible]	63.[illegible]	63.2	64.0	64.1	64.2	64.2	64.2	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.8	[illegible]
11.[illegible]	64.1	64.3	65.1	65.2	65.3	65.3	65.3	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	[illegible]
11.[illegible]	65.2	65.4	66.2	66.3	66.4	66.4	66.4	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	[illegible]
11.[illegible]	65.6	65.8	66.5	66.7	66.8	66.8	66.8	67.0	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	[illegible]
11.[illegible]	66.8	67.0	67.8	67.9	68.0	68.0	68.0	68.3	68.5	68.5	68.5	68.6	68.6	68.6	68.6	[illegible]	[illegible]
11.[illegible]	67.9	68.2	69.0	69.1	69.3	69.3	69.3	69.5	69.8	69.9	69.9	70.0	70.0	70.0	70.0	[illegible]	[illegible]
12.[illegible]	68.3	69.8	70.5	70.6	70.7	70.7	70.7	71.0	71.2	71.4	71.4	71.5	71.5	71.5	71.5	71.5	[illegible]
12.3	74.1	74.7	75.4	75.6	75.7	75.7	75.7	75.9	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	[illegible]
12.5	77.7	78.3	79.0	79.1	79.3	79.3	79.3	79.5	79.8	79.9	79.9	80.0	80.0	80.0	[illegible]	[illegible]	[illegible]
12.6	[illegible].9	81.7	82.7	82.8	83.0	83.0	83.0	83.2	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
12.7	85.2	86.0	87.2	87.4	87.5	87.5	87.5	87.8	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3
12.7	87.0	88.3	89.4	89.6	89.8	89.9	89.9	90.1	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
13.0	89.1	90.8	91.9	92.1	92.5	92.6	92.6	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
13.0	90.7	92.0	[illegible]4.2	94.4	94.9	95.2	95.2	95.4	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
13.0	90.[illegible]	92.[illegible]	[illegible].3	94.6	95.1	95.3	95.3	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	[illegible]
13.0	91.7	93.6	95.4	95.8	96.3	96.5	96.5	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
13.1	92.[illegible]	94.1	95.9	96.3	96.8	97.0	97.0	97.3	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
13.1	92.1	94.2	96.[illegible]	96.5	97.0	97.3	97.3	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
13.1	92.2	94.3	96.2	96.7	97.2	97.4	97.4	97.8	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
13.1	92.2	94.4	96.3	96.9	97.4	97.7	97.7	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
13.1	92.3	94.6	96.4	97.0	97.5	97.8	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
13.1	92.3	94.6	96.4	97.0	97.5	97.8	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
13.1	92.3	94.6	96.4	97.0	97.5	97.8	97.8	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
13.1	92.3	94.7	96.5	97.2	97.7	97.9	97.9	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
13.1	92.3	94.7	96.5	97.2	97.7	98.0	98.0	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
13.1	92.3	94.7	96.5	97.2	97.7	98.1	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
13.1	92.3	94.7	96.5	97.2	97.7	98.1	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.5	100.0	[illegible]	[illegible]
13.1	92.3	94.7	96.5	97.2	97.7	98.1	98.3	98.9	99.1	99.3	99.3	99.4	99.4	99.5	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 912

[illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] RAY AAF/FT LEWIS WA 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible]	46.2	47.1	47.9	48.4	48.6	48.8	48.9	48.9	49.2	49.4	49.4	49.5	49.6	[illegible]	[illegible]	[illegible]	.1
[illegible]	49.3	50.[illegible]	51.1	51.6	51.8	52.1	52.2	52.3	52.5	52.7	52.7	52.9	53.[illegible]	[illegible]	[illegible]	[illegible]	53.4
[illegible]	49.5	50.[illegible]	51.3	51.9	52.1	52.3	52.4	52.5	52.8	52.9	52.9	53.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	49.7	5[illegible].7	51.5	52.1	52.3	52.5	52.6	52.7	53.0	53.1	53.1	53.3	53.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	5[illegible].7	51.[illegible]	52.5	53.1	53.3	53.5	53.6	53.7	54.0	54.0	54.2	54.3	54.4	[illegible]	[illegible]	[illegible]	54.9
[illegible]	51.5	52.4	53.4	54.0	54.2	54.4	54.5	54.6	54.9	55.0	55.1	55.2	55.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	52.6	53.7	54.5	55.1	55.3	55.5	55.6	55.7	56.0	56.1	56.1	56.3	56.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	53.2	54.0	55.1	55.7	55.9	56.1	56.2	56.3	56.6	56.7	56.7	56.9	57.0	[illegible]	[illegible]	[illegible]	57.4
[illegible]	55.0	54.[illegible]	56.9	57.5	57.7	58.[illegible]	58.1	58.2	58.5	58.7	58.7	58.8	58.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	56.6	57.7	58.6	59.3	59.5	59.8	59.9	60.[illegible]	60.3	60.5	60.5	60.6	60.7	[illegible]	[illegible]	[illegible]	61.7
[illegible]	5[illegible].2	59.[illegible]	60.2	61.9	61.1	61.4	61.5	61.6	61.9	62.1	62.1	62.2	62.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	61.8	63.[illegible]	64.0	64.7	64.9	65.2	65.3	65.4	65.7	65.9	65.9	66.0	66.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	64.5	65.9	66.9	67.6	67.8	68.1	68.3	68.4	68.7	68.9	68.9	69.0	69.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	6[illegible].1	70.[illegible]	71.8	72.6	72.8	73.2	73.3	73.4	73.7	73.9	73.9	74.1	74.2	[illegible]	[illegible]	[illegible]	[illegible]
34.4	75.3	75.[illegible]	76.3	77.2	77.4	77.8	78.0	78.1	78.4	78.[illegible]	78.6	78.7	78.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	76.1	77.9	79.2	80.3	80.5	81.0	81.1	81.2	81.5	81.7	81.7	81.9	82.0	[illegible]	[illegible]	[illegible]	82.4
[illegible]	79.4	81.[illegible]	83.1	84.2	84.5	85.0	85.2	85.3	85.6	85.8	85.8	85.9	86.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	81.8	84.2	85.7	87.0	87.3	87.9	88.1	88.2	88.5	88.7	88.7	88.8	88.9	[illegible]	[illegible]	[illegible]	89.4
[illegible]	8[illegible].2	84.6	86.2	87.5	87.9	88.4	88.6	88.7	89.0	89.2	89.2	89.4	89.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	83.6	86.7	87.8	89.2	89.6	90.1	90.4	90.5	90.8	91.0	91.0	91.1	91.2	[illegible]	[illegible]	[illegible]	91.7
[illegible]	84.5	87.[illegible]	88.9	9[illegible].4	91.7	91.3	91.6	91.7	92.0	92.0	92.2	92.4	92.5	[illegible]	[illegible]	[illegible]	92.9
[illegible]	85.3	87.9	89.6	91.1	91.5	92.0	92.4	92.5	92.9	93.[illegible]	93.[illegible]	93.2	93.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	85.2	89.[illegible]	90.3	91.6	91.9	92.5	92.9	93.[illegible]	93.3	93.5	93.5	93.7	93.8	94.[illegible]	[illegible]	[illegible]	94.2
[illegible]	85.4	89.6	90.4	92.0	92.5	93.1	93.5	93.7	94.[illegible]	94.2	94.2	94.3	94.4	94.6	[illegible]	[illegible]	94.9
[illegible]	85.6	89.8	90.6	92.4	92.8	93.5	93.9	94.1	94.4	94.6	94.6	94.7	94.8	95.0	[illegible]	[illegible]	[illegible]
[illegible]	85.7	89.0	90.8	92.7	93.1	93.8	94.3	94.5	94.8	95.0	95.0	95.2	95.2	95.5	[illegible]	[illegible]	95.7
[illegible]	85.8	89.2	91.0	93.1	93.6	94.4	95.0	95.2	95.6	95.8	95.8	96.0	96.0	[illegible]	[illegible]	[illegible]	96.5
[illegible]	85.9	89.3	91.2	93.3	93.9	94.8	95.5	95.8	96.3	96.5	96.5	96.7	96.8	97.0	[illegible]	[illegible]	97.3
[illegible]	85.9	89.7	91.3	93.5	94.1	95.0	95.8	96.2	96.6	97.1	97.1	97.3	97.4	97.7	[illegible]	[illegible]	98.0
[illegible]	85.9	89.4	91.3	93.5	94.1	95.1	96.0	96.4	97.0	97.4	97.5	97.9	98.1	98.4	[illegible]	[illegible]	99.0
[illegible]	85.9	89.4	91.3	93.5	94.1	95.2	96.0	96.5	97.0	97.5	97.6	98.0	98.0	98.9	[illegible]	[illegible]	99.8
[illegible]	85.9	89.4	91.3	93.5	94.1	95.2	96.0	96.5	97.0	97.5	97.6	98.0	98.0	98.8	[illegible]	[illegible]	100.0

TOTAL NUMBER OF OBSERVATIONS 5492

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	32.3	38.[illegible]	39.9	43.2	43.8	45.4	46.4	46.[illegible]	47.8	48.[illegible]	48.1	48.6	49.2	49.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	33.[illegible]	38.[illegible]	41.8	45.3	45.9	47.6	48.6	48.9	50.1	50.2	50.4	50.9	51.5	52.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	33.9	38.[illegible]	41.5	45.3	45.9	47.6	48.6	48.9	50.1	50.7	50.4	50.9	51.[illegible]	52.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.1	38.[illegible]	41.9	45.4	46.[illegible]	47.7	48.7	49.0	50.2	50.4	50.5	51.0	51.6	52.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.1	38.1	41.9	45.4	46.[illegible]	47.7	48.7	49.[illegible]	50.3	50.4	50.5	51.0	51.[illegible]	52.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	34.4	38.5	42.3	45.9	46.5	48.1	49.2	49.5	50.7	50.9	51.2	51.5	52.1	52.6	53.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].4	40.[illegible]	44.3	47.9	48.5	50.2	51.3	51.5	52.7	52.9	53.[illegible]	53.5	54.1	54.6	55.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	3[illegible].[illegible]	41.1	44.9	48.5	49.1	50.9	51.9	52.1	53.3	53.5	53.6	54.1	54.7	55.2	55.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].1	43.5	47.3	50.9	51.5	53.2	54.2	54.5	55.7	55.9	56.[illegible]	56.5	57.1	57.6	58.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	41.6	4[illegible].[illegible]	49.8	53.4	54.0	55.7	56.8	57.0	58.2	58.4	58.5	59.0	59.6	60.1	60.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	43.2	47.9	51.7	5[illegible].3	55.9	57.6	58.7	58.9	60.1	60.7	60.5	60.9	61.5	62.[illegible]	60.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	47.8	52.4	56.8	6[illegible].3	60.9	62.8	63.9	64.3	65.5	65.7	65.8	66.3	66.9	67.4	68.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4[illegible].6	54.4	58.7	62.2	62.8	64.8	65.8	66.0	67.4	67.6	67.7	68.2	68.8	69.3	70.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	55.3	6[illegible].[illegible]	65.7	69.3	69.9	72.2	73.1	73.5	74.8	75.2	75.1	75.6	76.2	76.7	77.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible].3	64.[illegible]	69.9	73.6	74.2	76.6	77.7	78.[illegible]	79.3	79.7	79.8	80.4	81.2	81.5	82.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	61.6	67.5	72.6	76.3	77.1	8[illegible].2	81.1	81.5	82.8	83.2	83.3	83.9	84.5	84.9	85.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	62.7	69.9	75.0	78.9	79.6	82.8	83.9	84.2	85.5	85.9	86.1	86.6	87.2	87.7	88.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	64.8	71.3	76.6	80.5	81.2	84.6	85.8	86.1	87.5	87.8	87.9	88.5	89.1	89.4	90.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	65.6	72.2	77.4	81.4	82.1	85.5	86.7	87.1	88.4	88.8	88.9	89.5	90.1	90.5	91.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	67.3	73.5	79.0	83.0	83.8	87.3	88.5	88.9	90.2	90.7	90.8	91.4	92.0	92.5	93.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	67.6	74.0	79.6	83.6	84.3	87.9	89.1	89.5	90.8	91.7	91.4	92.0	92.6	93.1	93.8	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	67.7	74.3	79.7	83.8	84.5	88.1	89.2	89.6	90.9	91.4	91.5	92.1	92.7	93.2	93.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	67.7	74.3	79.7	84.0	84.7	88.3	89.5	89.8	91.2	91.6	91.8	92.4	93.0	93.4	94.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.2	74.9	80.3	84.6	85.3	88.9	90.1	90.4	91.8	92.2	92.4	93.0	93.5	94.0	94.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.2	74.9	80.3	84.6	85.3	88.9	90.1	90.4	91.8	92.2	92.4	93.0	93.5	94.0	94.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.2	75.0	80.4	84.8	85.5	89.1	90.3	90.7	92.0	92.5	92.6	93.2	93.8	94.3	95.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.2	75.0	80.6	85.1	85.8	89.4	90.6	90.9	92.2	92.7	92.8	93.4	94.0	94.5	95.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.2	75.0	80.6	85.1	85.8	89.4	90.6	90.9	92.4	92.8	93.0	93.5	94.1	94.6	95.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.3	75.1	80.8	85.2	85.9	89.5	90.8	91.2	92.6	93.1	93.2	93.8	94.4	94.9	95.6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.3	75.1	80.8	85.2	85.9	89.5	90.8	91.2	92.6	93.3	93.4	94.0	94.7	95.3	96.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.3	75.1	80.8	85.2	85.9	89.5	90.8	91.2	92.7	93.4	93.5	94.4	95.1	95.9	98.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	68.3	75.1	80.8	85.2	85.9	89.5	90.8	91.2	92.7	93.4	93.5	94.5	95.2	96.2	100.0	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS _____ [illegible]

2

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

AY AAFB/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1.2	22.9	24.6	26.6	29.6	30.9	32.1	33.0	33.5	34.5	35.4	35.4	36.7	36.8	37.4	37.9	
1.3	24.3	26.1	28.1	31.3	31.5	33.9	34.8	35.2	36.4	37.2	37.2	38.6	38.7	39.3	39.7	
1.3	24.3	26.1	28.1	31.3	31.5	33.9	34.8	35.2	36.6	37.3	37.3	38.7	38.8	39.5	39.9	
1.3	24.4	26.2	28.2	31.4	31.7	34.1	34.9	35.4	36.7	37.4	37.4	38.8	38.9	39.7	40.0	
1.3	24.9	26.6	28.8	32.0	32.3	34.8	35.6	36.1	37.4	38.1	38.1	39.5	39.7	40.4	40.7	
1.3	25.7	27.5	29.6	33.1	33.3	35.8	36.7	37.2	38.6	39.3	39.3	40.7	40.9	41.6	41.9	
1.3	27.6	29.4	31.5	35.1	35.4	37.9	38.7	39.2	40.6	41.3	41.3	42.8	42.9	43.6	44.0	
1.3	28.1	29.9	32.0	35.7	36.0	38.5	39.3	39.8	41.2	41.9	41.9	43.4	43.5	44.2	44.6	
1.4	30.6	31.4	33.7	37.8	38.0	40.5	41.3	41.8	43.2	44.0	44.0	45.4	45.5	46.2	46.6	
1.4	33.7	32.5	34.8	38.8	39.1	41.6	42.4	42.9	44.3	45.0	45.2	46.5	46.6	47.3	47.7	
1.4	33.1	35.0	37.4	41.5	41.7	44.2	45.0	45.5	47.0	47.7	47.7	49.1	49.2	49.9	50.3	
1.9	37.9	40.3	42.5	46.7	47.0	49.5	50.3	50.8	52.2	52.9	52.9	54.4	54.5	55.2	55.6	
2.2	41.5	43.6	46.5	50.7	50.9	53.4	54.2	54.7	56.2	56.9	56.9	58.3	58.4	59.1	59.5	
2.2	41.1	44.5	51.4	55.7	55.9	58.9	59.7	60.2	61.6	62.4	62.4	63.8	63.9	64.6	65.0	
2.7	49.6	52.4	55.4	6 .1	60.3	63.3	64.2	64.6	66.1	66.8	66.8	68.2	68.3	69.1	69.4	
2.7	53.5	56.5	59.5	64.4	64.6	67.6	68.5	68.9	70.4	71.1	71.1	72.5	72.6	73.4	73.7	
2.7	55.7	59.7	62.0	66.9	67.1	70.4	71.2	71.7	73.1	73.8	73.8	75.3	75.4	76.1	76.5	
3.1	57.8	61.4	64.6	69.8	70.0	73.5	74.3	74.8	76.2	76.9	76.9	78.4	78.5	79.2	79.6	
3.1	58.5	62.4	65.4	70.5	70.7	74.2	75.1	75.6	77.1	77.8	77.8	79.2	79.3	80.0	80.4	
3.3	60.2	64.2	67.1	72.3	72.5	76.1	77.1	77.5	79.0	79.7	79.7	81.1	81.2	82.0	82.3	
3.3	60.7	64.6	68.0	73.2	73.5	77.1	78.0	78.5	79.9	80.6	80.6	82.1	82.2	82.9	83.3	
3.3	61.3	65.4	68.8	74.1	74.3	77.9	78.9	79.3	80.8	81.5	81.5	82.9	83.0	83.8	84.1	
3.3	61.5	65.7	69.2	74.4	74.7	78.3	79.2	79.7	81.1	81.8	81.8	83.3	83.4	84.1	84.5	
3.3	62.0	66.2	69.8	75.0	75.3	79.0	79.9	80.5	82.0	82.7	82.7	84.1	84.2	84.9	85.3	
3.3	62.0	66.2	69.8	75.0	75.3	79.0	79.9	80.5	82.0	82.7	82.7	84.1	84.2	84.9	85.3	
3.3	62.5	66.7	70.4	75.7	76.2	80.2	81.1	81.7	83.2	83.9	83.9	85.3	85.4	86.1	86.5	
3.3	62.8	67.0	70.7	76.2	76.7	80.8	81.7	82.3	83.9	84.6	84.6	86.1	86.1	86.9	87.2	
3.3	63.2	67.4	71.1	76.7	77.2	81.2	82.3	83.0	84.7	85.4	85.4	86.9	87.2	88.1	88.4	
3.3	63.2	67.4	71.1	76.8	77.3	81.4	82.6	83.4	85.4	86.1	86.1	87.7	88.1	89.1	89.6	
3.3	63.3	67.6	71.3	77.5	78.0	82.2	83.8	84.6	86.9	88.2	88.2	89.8	90.7	91.8	92.7	
3.3	63.4	67.7	71.4	77.7	78.1	82.3	83.9	84.7	87.0	88.4	88.5	90.7	91.8	94.3	97.4	
3.3	63.4	67.7	71.4	77.7	78.1	82.3	83.9	84.7	87.0	88.4	88.5	90.8	91.9	94.51	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

2

GLOBAL CLIMATOLOGY BRANCH
TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT [illegible] 73-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	[illegible]	17.2	18.5	19.6	20.0	22.1	22.7	23.3	23.7	23.9	24.1	24.1	25.1	25.2	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	18.8	21.6	23.1	25.4	25.6	26.3	27.0	27.1	27.7	28.0	28.0	28.9	29.[illegible]	29.4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	21.7	23.2	25.6	25.7	26.4	27.1	27.2	27.8	28.1	28.1	29.0	[illegible]	29.5	[illegible]	[illegible]
[illegible]	[illegible]	20.0	21.9	23.3	25.7	25.8	26.5	27.2	27.4	28.0	28.2	28.2	29.2	29.[illegible]	29.6	[illegible]	[illegible]
[illegible]	1.1	21.1	23.1	24.6	27.1	27.2	28.0	28.7	28.8	29.4	29.9	29.9	30.8	30.9	31.7	31.9	[illegible]
[illegible]	12.0	22.9	24.8	26.4	28.9	29.[illegible]	29.7	30.5	30.6	31.2	31.7	31.7	32.6	32.7	33.1	33.7	[illegible]
[illegible]	17.3	24.6	26.5	28.1	30.7	3[illegible].8	31.5	32.3	32.4	33.0	33.5	33.5	34.4	34.5	34.9	35.5	[illegible]
[illegible]	13.7	25.4	27.4	29.9	31.5	31.7	32.4	33.2	33.3	33.9	34.4	34.4	35.4	35.5	35.8	36.4	[illegible]
[illegible]	14.[illegible]	27.6	29.7	31.4	34.3	34.4	35.2	36.1	36.3	36.9	37.4	37.4	38.4	38.5	38.8	39.[illegible]	[illegible]
[illegible]	14.7	28.4	30.6	32.3	35.1	35.2	36.1	36.9	37.2	37.8	38.2	38.2	39.2	39.3	39.7	40.3	[illegible]
[illegible]	15.1	30.6	32.7	34.5	37.4	37.5	38.4	39.2	39.4	40.0	40.5	40.5	41.5	41.6	41.9	42.5	[illegible]
[illegible]	15.9	34.5	36.3	38.7	41.6	41.7	42.5	43.5	44.0	44.6	45.0	45.0	46.2	46.1	46.5	47.1	[illegible]
[illegible]	17.7	37.4	40.[illegible]	41.9	44.8	44.9	45.8	46.7	47.2	47.8	48.3	48.3	49.2	49.3	49.7	50.3	[illegible]
[illegible]	17.8	41.6	44.2	46.2	49.6	49.7	50.5	51.5	52.0	52.6	53.0	53.0	54.0	54.1	54.5	55.1	[illegible]
[illegible]	18.8	45.2	47.8	49.9	53.3	53.4	54.6	55.7	56.0	57.1	57.6	57.6	58.5	58.7	59.0	59.6	[illegible]
[illegible]	[illegible]	49.9	52.7	55.0	58.4	58.5	59.7	60.8	61.3	62.2	62.7	62.7	63.7	63.8	64.2	64.8	[illegible]
[illegible]	20.0	52.3	55.2	57.5	6[illegible].9	61.1	62.4	63.6	64.0	65.0	65.7	65.8	66.8	66.9	67.3	67.9	[illegible]
[illegible]	20.0	53.8	56.9	59.5	63.4	63.9	65.7	66.9	67.5	68.5	69.2	69.3	70.3	70.4	70.7	71.3	[illegible]
[illegible]	20.7	54.2	57.6	60.2	64.3	64.9	66.7	67.9	68.5	69.4	70.1	70.3	71.2	71.3	71.7	72.3	[illegible]
[illegible]	20.8	55.7	59.4	62.1	66.2	66.8	68.6	70.0	70.6	71.6	72.3	72.4	73.4	73.5	73.8	74.4	[illegible]
[illegible]	21.0	56.4	60.0	63.1	67.3	67.9	69.7	71.1	71.7	72.6	73.4	73.5	74.4	74.6	74.9	75.5	[illegible]
[illegible]	21.0	56.6	60.5	63.3	67.7	68.3	70.1	71.8	72.4	73.4	74.1	74.2	75.1	75.3	75.7	76.3	[illegible]
[illegible]	21.1	57.3	61.2	64.3	68.8	69.5	71.4	73.1	73.8	74.8	75.5	75.6	76.6	76.7	77.2	77.8	[illegible]
[illegible]	21.1	57.3	61.3	64.5	69.2	69.9	71.8	73.5	74.2	75.1	75.9	76.0	76.9	77.1	77.5	78.1	[illegible]
[illegible]	21.1	57.5	61.4	64.8	69.7	70.5	72.4	74.1	74.8	75.9	76.6	76.7	77.7	77.8	78.3	78.9	[illegible]
[illegible]	21.1	57.8	61.8	65.2	70.4	71.2	73.4	75.1	76.0	77.1	77.8	77.9	78.9	79.0	79.5	80.0	[illegible]
[illegible]	21.1	57.8	61.9	65.5	70.8	71.7	74.0	75.9	77.1	78.1	78.9	79.0	80.0	80.2	80.6	81.2	[illegible]
[illegible]	21.1	57.8	61.9	65.7	71.4	72.3	74.7	76.9	78.4	79.8	80.8	80.9	82.3	82.4	82.9	83.5	[illegible]
[illegible]	21.1	57.8	61.9	65.7	72.0	72.9	75.4	77.9	79.3	81.6	82.9	83.0	84.9	85.1	85.8	87.1	[illegible]
[illegible]	21.1	57.8	61.9	65.7	72.3	73.1	75.6	78.1	79.7	82.3	84.7	84.8	87.7	87.8	89.2	90.9	[illegible]
[illegible]	21.1	57.8	61.9	65.7	72.3	73.1	75.6	78.1	79.8	82.7	85.3	85.4	88.8	89.2	92.0	97.6	[illegible]
[illegible]	21.1	57.8	61.9	65.7	72.3	73.1	75.6	78.1	79.8	82.7	85.3	85.4	88.9	89.2	92.7	100.0	[illegible]

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETA [illegible] AND ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA 73-81 [illegible] 067

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-[illegible]

14.[illegible]	23.3	25.[illegible]	25.7	26.4	26.5	27.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.6	27.6
18.9	23.3	3[illegible]	3[illegible].9	32.0	32.1	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.3	33.3
19.1	23.7	3[illegible]	31.3	32.4	32.5	33.2	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.7	33.7
19.1	23.8	3[illegible].7	31.4	32.5	32.6	33.3	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.8	33.8
[illegible]0.4	3[illegible].6	32.6	33.3	34.4	34.5	35.2	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.7	35.7
[illegible]1.2	32.6	34.6	35.4	36.4	36.6	37.3	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.8	37.8
[illegible]	34.4	36.4	37.2	38.2	38.4	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.5	39.5
23.[illegible]	35.5	37.[illegible]	38.2	39.3	39.4	40.1	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.6	40.6
24.[illegible]	37.3	39.4	40.1	41.2	41.3	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.7	42.7
2[illegible].6	38.8	41.0	41.7	42.8	42.9	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.3	44.3
[illegible].3	4[illegible].0	42.2	42.9	44.0	44.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.6
[illegible].3	43.7	45.9	46.6	47.7	47.9	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5
29.6	48.[illegible]	50.5	51.3	52.4	52.6	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.4	54.4
32.1	53.3	56.[illegible]	56.8	58.2	58.5	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	60.1	60.1
33.5	57.6	6[illegible].3	61.1	62.7	63.2	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8
34.3	59.7	62.7	63.6	65.2	65.7	66.9	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6
3[illegible].5	62.8	66.4	67.4	69.3	69.8	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9
[illegible].1	64.6	68.5	69.5	71.8	72.4	74.0	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.9	74.9
[illegible].2	64.8	68.6	69.7	72.0	72.6	74.2	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.1	75.1
36.9	66.3	70.5	71.6	74.2	74.8	76.6	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.7	77.7
37.5	67.6	71.9	73.4	76.2	76.8	78.6	79.2	79.3	79.3	79.5	79.5	79.5	79.5	79.7	79.7
37.6	68.6	73.1	74.8	78.1	78.7	80.5	81.1	81.2	81.2	81.4	81.4	81.4	81.4	81.6	81.6
37.6	69.2	73.7	75.9	79.3	8[illegible].0	82.0	82.6	82.7	82.7	82.8	82.8	82.8	82.8	83.0	83.0
37.6	69.3	74.1	76.5	8[illegible].3	81.1	83.2	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.3	84.3
37.6	69.3	74.1	76.7	8[illegible].5	81.4	83.6	84.2	84.3	84.3	84.6	84.6	84.6	84.6	84.8	84.8
37.6	69.3	74.1	77.2	81.1	82.2	84.8	85.8	85.9	85.9	86.1	86.1	86.1	86.1	86.4	86.4
37.6	69.3	74.1	77.3	82.2	83.3	86.3	87.8	88.1	88.2	88.5	88.5	88.5	88.5	88.8	88.8
37.6	69.4	74.2	77.5	82.4	83.6	87.2	89.1	89.5	90.2	90.6	90.6	90.6	90.6	90.9	90.9
37.6	69.4	74.2	77.5	82.4	83.6	87.3	89.4	90.4	92.0	92.8	92.8	93.4	93.5	94.0	94.1
37.6	69.4	74.3	77.7	82.6	83.8	87.5	89.5	90.8	92.5	93.5	93.5	94.3	94.9	95.9	96.9
37.6	69.4	74.3	77.7	82.6	83.8	87.6	89.6	90.9	92.6	93.7	93.7	94.6	95.2	96.7	99.5
37.6	69.4	74.3	77.7	82.6	83.8	87.6	89.6	90.9	92.6	93.7	93.7	94.7	95.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible] USAF OCLA [illegible]

AL CLIMATOLOGY BRANCH
TAC
ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

RAY AAF/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12.0-1400

[illegible]	35.3	37.2	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
1.1	43.1	44.2	45.4	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
1.3	43.4	44.4	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
1.3	43.6	44.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
3.	45.5	46.6	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
34.6	47.6	48.6	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
36.3	49.7	50.8	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
37.8	51.1	52.3	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
.5	52.8	53.9	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
39.4	54.2	55.4	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
.5	55.6	56.8	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
42.1	58.3	59.5	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
42.	60.9	62.1	63.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
46.1	66.2	67.6	69.2	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
.3	71.7	73.1	74.7	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
50.	76.3	77.8	79.3	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2.0	80.4	82.1	83.8	85.1	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
52.	82.9	84.7	86.6	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
53.2	83.4	85.2	87.1	88.5	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
3.6	85.4	87.3	89.6	91.3	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
54.0	86.6	88.5	91.2	93.1	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
54.0	86.7	88.8	91.9	94.0	94.4	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
4.	86.9	88.9	92.2	94.6	95.0	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
4.	87.0	89.0	92.4	94.7	95.3	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
54.0	87.0	89.0	92.7	95.2	95.9	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
4.0	87.0	89.0	92.7	95.2	95.9	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
4.0	87.0	89.1	92.8	95.5	96.2	97.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
4.0	87.0	89.1	92.8	95.5	96.2	97.5	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0
4.0	87.0	89.1	92.8	95.5	96.2	97.5	98.8	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8
54.0	87.0	89.1	92.8	95.5	96.2	97.5	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0
4.0	87.0	89.1	92.8	95.5	96.2	97.5	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0
4.	87.0	89.1	92.8	95.5	96.2	97.5	98.8	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] AL CLIMATOLOGY BRANCH
[illegible]FETAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

38.1	46.6	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
43.7	52.9	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
44.1	53.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
44.2	53.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
45.1	55.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
46.6	56.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
47.2	59.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
48.4	59.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
49.5	62.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
51.0	64.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
51.9	66.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
53.6	70.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
54.2	72.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
56.2	77.9	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
57.8	83.5	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
59.4	86.9	89.	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
60.0	90.6	93.0	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
60.1	91.5	94.4	94.9	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
60.1	91.9	94.7	95.5	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
60.2	92.5	95.5	96.2	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
60.2	92.8	96.1	96.9	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
60.2	92.8	96.2	97.1	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
60.2	92.8	96.2	97.1	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
60.2	92.8	96.2	97.1	98.1	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
60.2	92.8	96.2	97.3	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
60.2	92.8	96.2	97.3	98.2	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60.2	92.8	96.2	97.3	98.2	98.4	98.8	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible]

2

AL CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

15.9	45.5	46.6	47.4	47.9	47.9	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.7
17.3	49.7	50.8	51.6	52.1	52.1	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.9
17.3	49.8	51.0	51.9	52.3	52.3	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.2
17.3	49.8	51.0	51.9	52.3	52.3	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.2
17.6	51.0	52.2	53.0	53.5	53.5	54.0	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.4
18.9	53.8	55.0	55.8	56.3	56.3	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1
19.0	55.9	57.1	57.9	58.7	58.7	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.5
19.0	56.2	57.3	58.2	58.9	58.9	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.7
20.1	59.3	60.5	61.3	62.0	62.0	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.8
20.2	60.5	61.6	62.5	63.2	63.2	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0
20.5	62.0	63.4	64.3	65.0	65.0	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.8
20.7	64.4	65.8	66.7	67.4	67.4	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.2
21.0	68.3	69.8	70.6	71.4	71.4	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.3
21.[illegible]	74.9	77.1	77.9	78.7	78.9	79.5	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.9
22.0	79.6	82.0	82.9	83.9	84.0	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1
22.5	83.9	86.6	87.9	89.0	89.1	89.7	89.7	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.2
22.6	87.3	90.6	91.9	93.0	93.1	93.7	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.3
22.6	88.6	92.1	93.7	94.7	94.9	95.5	95.6	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.2
22.6	88.8	92.2	93.8	94.9	95.0	95.6	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.3
22.6	89.7	93.3	94.9	95.9	96.1	96.7	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.4
22.6	89.7	93.3	95.0	96.2	96.3	97.0	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7
22.6	89.8	93.5	95.3	96.7	96.8	97.5	97.6	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.6
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	99.0
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	99.0
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	99.0
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.0	98.3	98.9	98.9	98.9	98.9	98.9	98.9	99.0
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.1	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.2
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.1	98.4	99.0	99.0	99.0	99.4	99.4	99.4	99.5
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.2	98.6	99.2	99.2	99.2	99.5	99.5	99.8	99.9
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.2	98.6	99.2	99.2	99.2	99.5	99.5	99.8	99.9
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.2	98.6	99.2	99.2	99.2	99.5	99.5	99.8	99.9
22.6	89.8	93.5	95.3	96.7	96.8	97.8	98.2	98.6	99.2	99.2	99.2	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] DAY AAF/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

21.0-2300

[illegible].3	43.1	45.3	47.1	48.5	49.6	49.5	49.8	50.2	50.2	50.3	50.3	50.9	51.[illegible]	51.3	51.7
[illegible].6	46.0	48.1	49.9	51.4	51.5	52.3	52.7	53.0	53.0	53.2	53.2	53.8	53.9	54.1	54.6
[illegible].6	46.4	48.5	50.3	51.7	51.9	52.7	53.0	53.4	53.4	53.5	53.5	54.1	54.2	54.5	55.0
[illegible].6	46.4	48.5	50.3	51.7	51.9	52.7	53.0	53.4	53.4	53.5	53.5	54.1	54.2	54.5	55.0
[illegible].6	47.2	49.3	51.1	52.6	52.7	53.5	53.9	54.2	54.2	54.4	54.4	55.0	55.1	55.3	55.8
5.7	49.0	51.1	52.9	54.4	54.5	55.3	55.7	56.0	56.0	56.2	56.2	56.8	56.9	57.1	57.6
6.1	50.3	52.6	54.4	55.8	55.9	56.9	57.2	57.6	57.6	57.7	57.7	58.3	58.4	58.7	59.1
6.2	51.0	53.3	55.1	56.5	56.6	57.6	57.9	58.3	58.3	58.4	58.4	59.0	59.1	59.4	59.9
6.7	54.2	56.5	58.3	59.7	59.9	60.9	61.3	61.6	61.6	61.8	61.8	62.4	62.5	62.7	63.2
6.9	55.6	58.1	59.9	61.3	61.4	62.5	62.8	63.2	63.2	63.3	63.3	63.9	64.0	64.3	64.8
6.9	57.2	59.5	61.3	62.7	62.8	63.9	64.3	64.6	64.6	64.8	64.8	65.4	65.5	65.7	66.2
7.1	60.8	63.2	65.1	66.9	67.1	68.3	68.7	69.1	69.1	69.2	69.2	69.8	69.9	70.1	70.6
7.2	63.4	65.9	67.9	69.7	69.9	71.1	71.4	71.8	71.8	71.9	71.9	72.5	72.6	72.9	73.4
7.6	69.3	71.8	73.8	76.0	76.2	77.4	77.8	78.1	78.1	78.3	78.3	78.9	79.0	79.3	79.8
7.8	74.1	77.2	79.3	81.6	81.8	83.0	83.4	83.8	83.8	83.9	83.9	84.5	84.6	84.9	85.4
7.8	76.3	79.5	82.1	84.3	84.6	85.9	86.3	86.6	86.6	86.7	86.7	87.3	87.5	87.8	88.3
7.8	79.8	83.2	86.4	88.8	89.0	90.7	91.0	91.4	91.4	91.5	91.5	92.1	92.2	92.6	93.1
7.8	81.1	84.3	87.8	90.2	90.4	92.1	92.5	93.0	93.0	93.1	93.1	93.7	93.8	94.1	94.6
7.8	81.6	84.9	88.4	90.8	91.0	92.7	93.1	93.5	93.5	93.7	93.7	94.3	94.4	94.7	95.2
7.8	82.0	85.4	89.0	91.4	91.6	93.5	93.9	94.4	94.4	94.5	94.5	95.1	95.2	95.6	96.1
7.8	82.2	85.7	89.4	91.8	92.0	93.9	94.3	94.7	94.7	94.9	94.9	95.5	95.6	95.9	96.4
7.8	82.3	85.8	89.6	92.0	92.2	94.1	94.5	95.0	95.1	95.2	95.2	95.8	95.9	96.3	96.8
7.8	82.7	86.1	90.0	92.4	92.6	94.5	94.9	95.3	95.5	95.6	95.6	96.2	96.3	96.7	97.1
7.8	82.7	86.1	90.0	92.4	92.6	94.5	94.9	95.3	95.5	95.6	95.6	96.2	96.3	96.7	97.1
7.8	82.9	86.4	90.2	92.6	92.8	94.7	95.1	95.6	95.7	95.8	95.8	96.4	96.5	96.9	97.4
7.8	83.0	86.5	90.3	92.7	93.0	94.9	95.2	95.7	95.8	95.9	95.9	96.5	96.7	97.0	97.5
7.8	83.2	86.6	90.4	92.8	93.1	95.0	95.3	95.8	95.9	96.1	96.1	96.7	96.8	97.1	97.6
7.8	83.2	86.6	90.4	92.8	93.1	95.0	95.3	95.8	95.9	96.1	96.1	96.8	96.9	97.4	97.8
7.8	83.2	86.6	90.4	92.8	93.1	95.0	95.5	95.9	96.2	96.3	96.3	97.0	97.1	97.6	98.1
7.8	83.2	86.6	90.6	93.0	93.2	95.1	95.6	96.1	96.4	96.5	96.5	97.3	97.4	98.0	98.4
7.8	83.2	86.6	90.6	93.0	93.2	95.1	95.6	96.1	96.4	96.5	96.5	97.3	97.4	98.1	99.0
7.8	83.2	86.6	90.6	93.0	93.2	95.1	95.6	96.1	96.4	96.5	96.5	97.3	97.4	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC [illegible] 0-14-5 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

L HAL CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

GRAY AAF/FT LEWIS WA 73-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

14.0	33.4	35.1	36.5	37.9	38.1	38.9	39.2	39.4	39.8	40.0	40.0	40.4	40.5	40.8	41.0	
16.3	37.3	39.1	40.6	42.1	42.3	43.1	43.5	43.7	44.1	44.3	44.3	44.7	44.8	45.1	45.4	
16.4	37.5	39.3	40.8	42.4	42.5	43.4	43.8	43.9	44.4	44.5	44.5	45.0	45.1	45.3	45.6	
16.4	37.6	39.5	40.9	42.5	42.7	43.5	43.9	44.1	44.5	44.6	44.7	45.1	45.2	45.5	45.7	
17.0	38.7	40.6	42.1	43.7	43.8	44.7	45.1	45.2	45.7	45.8	45.9	46.3	46.4	46.7	47.0	
17.2	40.3	42.2	43.8	45.4	45.5	46.4	46.8	47.0	47.4	47.6	47.6	48.0	48.2	48.4	48.7	
18.6	42.3	44.2	45.7	47.4	47.6	48.4	48.8	49.0	49.4	49.6	49.6	50.1	50.2	50.4	50.7	
19.2	43.0	44.9	46.5	48.2	48.3	49.2	49.6	49.8	50.2	50.4	50.4	50.8	51.0	51.2	51.5	
19.7	45.3	47.3	48.9	50.6	50.8	51.7	52.1	52.3	52.7	52.9	52.9	53.3	53.5	53.7	54.0	
20.3	46.3	49.9	50.4	52.2	52.3	53.3	53.7	53.9	54.3	54.5	54.5	54.9	55.1	55.3	55.6	
20.6	48.6	50.7	52.3	54.1	54.2	55.2	55.6	55.8	56.2	56.4	56.4	56.8	57.0	57.2	57.5	
21.6	52.2	54.4	56.1	57.9	58.1	59.1	59.5	59.7	60.2	60.4	60.4	60.8	60.9	61.2	61.5	
22.1	55.2	57.5	59.3	61.1	61.3	62.3	62.8	63.0	63.4	63.6	63.6	64.1	64.2	64.4	64.7	
23.0	60.6	63.2	65.1	67.1	67.3	68.4	68.9	69.1	69.6	69.8	69.8	70.2	70.3	70.6	70.9	
24.4	65.1	67.9	69.9	72.1	72.3	73.5	73.9	74.2	74.7	74.9	74.9	75.3	75.5	75.7	76.0	
25.3	68.5	71.5	73.7	76.1	76.3	77.6	78.1	78.3	78.8	79.0	79.0	79.5	79.6	79.9	80.2	
25.6	71.6	74.9	77.2	79.6	79.9	81.3	81.8	82.1	82.6	82.8	82.8	83.3	83.4	83.7	84.0	
25.9	73.1	76.7	79.2	81.8	82.1	83.7	84.2	84.5	85.0	85.3	85.3	85.8	85.9	86.1	86.4	
25.9	73.6	77.2	79.7	82.3	82.7	84.3	84.8	85.1	85.6	85.9	85.9	86.4	86.5	86.7	87.0	
26.2	74.9	78.6	81.2	83.9	84.3	86.0	86.6	86.9	87.4	87.6	87.7	88.1	88.2	88.5	88.8	
26.3	75.5	79.3	82.0	84.9	85.2	87.0	87.6	87.9	88.4	88.6	88.7	89.1	89.2	89.5	89.8	
26.3	75.7	79.7	82.6	85.5	85.9	87.7	88.3	88.6	89.2	89.4	89.5	89.9	90.0	90.3	90.6	
26.3	76.0	80.0	83.0	86.0	86.4	88.3	88.9	89.3	89.8	90.1	90.1	90.6	90.7	91.0	91.2	
26.3	76.1	80.2	83.2	86.4	86.8	88.7	89.4	89.7	90.2	90.5	90.6	91.0	91.1	91.4	91.7	
26.3	76.2	80.2	83.4	86.6	87.1	89.0	89.7	90.0	90.6	90.9	90.9	91.3	91.5	91.7	92.0	
26.3	76.3	80.3	83.6	86.9	87.4	89.5	90.2	90.6	91.2	91.4	91.5	91.9	92.0	92.3	92.6	
26.3	76.4	80.4	83.8	87.2	87.7	89.9	90.8	91.3	91.9	92.2	92.3	92.7	92.8	93.1	93.4	
26.3	76.4	80.5	83.9	87.4	87.9	90.2	91.3	91.8	92.6	93.0	93.0	93.6	93.7	94.0	94.3	
26.3	76.4	80.5	83.9	87.5	88.0	90.3	91.6	92.2	93.3	93.8	93.8	94.5	94.7	95.1	95.5	
26.3	76.5	80.6	83.9	87.6	88.2	90.5	91.8	92.5	93.7	94.4	94.4	95.3	95.6	96.3	96.9	
26.3	76.5	80.6	83.9	87.6	88.2	90.5	91.8	92.5	93.7	94.5	94.6	95.7	96.0	97.1	99.0	
26.3	76.5	80.6	83.9	87.6	88.2	90.5	91.8	92.5	93.7	94.5	94.6	95.7	96.1	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 6696

USAF ETAC 1 JAN 65 (6145) OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT LEWIS WA 73-61 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-2300

[illegible].1	24.3	25.4	25.6	2[illegible].8	26.9	27.5	28.1	28.1	28.8	29.5	29.5	30.0	30.5	31.0	31.4		
[illegible].2	24.8	25.9	26.0	27.5	27.8	28.4	29.0	29.0	29.6	30.5	30.5	31.0	31.5	32.0	32.3		
[illegible].2	24.9	25.9	26.0	27.5	27.8	28.4	29.0	29.0	29.6	30.5	30.5	31.0	31.5	32.0	32.3		
[illegible].2	24.8	25.9	26.0	27.5	27.8	28.4	29.0	29.0	29.6	30.5	30.5	31.0	31.5	32.0	32.3		
[illegible].2	25.1	26.3	26.5	28.0	28.3	28.9	29.5	29.5	30.1	31.0	31.0	31.5	32.0	32.5	32.8		
[illegible].2	25.9	27.2	27.4	28.9	29.1	29.8	30.4	30.4	31.2	31.9	31.9	32.3	32.5	33.3	33.7		
[illegible].2	27.8	29.1	29.4	3[illegible].9	31.1	31.7	32.3	32.3	33.0	33.8	33.8	34.3	34.8	35.3	35.7		
[illegible].2	30.0	31.4	31.6	33.1	33.3	34.0	34.6	34.6	35.2	36.0	36.0	36.5	37.0	37.5	37.9		
[illegible].2	32.7	34.1	34.6	36.3	36.5	37.2	37.8	37.8	38.4	39.3	39.3	39.8	40.2	40.7	41.1		
[illegible].2	34.0	35.3	35.8	37.5	37.8	38.4	39.0	39.0	39.6	40.5	40.5	41.0	41.5	42.0	42.3		
[illegible].2	35.2	36.5	37.0	38.8	39.0	39.6	40.2	40.2	40.9	41.7	41.7	42.2	42.7	43.2	43.6		
[illegible].2	37.8	39.4	39.9	41.6	41.9	42.5	43.1	43.1	43.7	44.6	44.6	45.1	45.7	46.2	46.5		
[illegible].2	41.1	42.7	43.2	45.1	45.3	45.9	46.5	46.5	47.2	48.0	48.0	48.5	49.1	49.6	50.0		
[illegible].1	48.6	50.7	52.0	53.8	54.1	54.9	55.6	55.6	56.2	57.0	57.0	57.5	58.1	58.6	59.0		
7.	54.9	57.4	58.8	60.7	61.0	62.0	62.6	62.6	63.2	64.1	64.1	64.6	65.2	65.7	66.0		
3.1	59.9	62.5	63.8	65.8	66.3	67.3	67.9	67.9	68.5	69.4	69.4	69.9	70.5	71.2	71.4		
3.1	64.6	67.3	68.6	70.7	71.2	72.2	72.8	72.8	73.5	74.3	74.3	74.8	75.4	75.9	76.3		
3.1	66.5	69.4	71.0	73.3	74.4	75.2	76.2	76.2	76.8	77.7	77.7	78.1	78.8	79.3	79.6		
3.1	67.4	70.4	72.0	74.3	74.9	76.2	77.2	77.2	77.8	78.6	78.6	79.1	79.8	80.2	80.6		
3.1	68.8	72.2	74.4	77.0	77.7	78.9	79.9	79.9	80.5	81.4	81.4	81.9	82.5	83.0	83.3		
3.1	69.5	73.0	75.4	78.0	78.6	79.9	80.9	80.9	81.5	82.3	82.3	82.8	83.5	84.0	84.3		
3.1	69.8	73.2	75.7	78.4	79.0	80.2	81.2	81.2	81.9	82.7	82.7	83.2	83.8	84.3	84.7		
3.1	69.8	73.5	75.9	78.8	79.4	80.6	81.6	81.6	82.2	83.1	83.1	83.6	84.2	84.7	85.1		
3.1	70.0	74.0	76.4	79.3	80.0	81.2	82.2	82.2	82.8	83.7	83.7	84.2	84.8	85.3	85.7		
3.1	70.1	74.1	76.5	79.5	80.2	81.5	82.5	82.5	83.1	84.0	84.0	84.4	85.1	85.6	85.9		
3.1	70.4	74.3	76.8	80.0	81.4	82.8	83.8	83.8	84.4	85.3	85.3	85.8	86.4	87.0	87.4		
3.1	70.5	74.4	77.2	80.4	82.0	83.8	84.8	84.9	85.7	86.5	86.5	87.0	87.7	88.3	88.6		
3.1	71.0	74.9	77.8	81.0	82.6	84.6	85.7	86.0	86.8	87.7	87.7	88.1	88.8	89.4	89.8		
3.1	71.0	74.9	77.8	81.0	82.6	85.2	86.3	86.9	87.8	89.1	89.1	89.6	90.2	90.9	91.4		
3.1	71.0	74.9	77.8	81.0	82.6	85.4	86.5	87.3	88.3	89.9	89.9	90.6	91.2	92.0	93.1		
3.1	71.0	74.9	77.8	81.1	82.7	85.6	86.7	87.4	88.4	90.0	90.0	91.1	92.0	93.5	96.9		
3.2	71.1	75.1	77.9	81.2	82.8	85.7	86.8	87.5	88.5	90.1	90.1	91.4	92.2	93.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 810

[illegible]

L AL CLIMATOLOGY BRANCH
TAC
FATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

DAY AAF/FT LEWIS WA 73-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-0500

1.4	23.5	24.9	25.7	26.3	26.5	27.4	27.5	27.7	27.9	28.3	28.4	28.6	29.	29.4	[illegible]	[illegible]	[illegible]
1.4	24.9	25.9	26.9	27.5	27.8	28.6	28.8	28.9	29.1	29.5	29.6	29.9	30.2	30.6	31.4		
1.4	24.9	25.9	27.	27.7	27.9	28.8	28.9	29.0	29.3	29.6	29.8	30.0	30.4	30.7	31.5		
1.4	24.9	25.9	27.0	27.7	27.9	28.8	28.9	29.0	29.3	29.6	29.8	30.0	30.4	30.7	31.5		
1.7	25.9	27.	28.3	28.9	29.1	30.0	30.1	30.2	30.6	31.0	31.1	31.4	31.7	32.1	32.8		
1.7	26.3	27.4	28.6	29.3	29.5	30.4	30.5	30.6	31.4	31.4	31.5	31.7	32.1	32.5	33.2		
1.7	27.4	28.8	30.0	31.0	31.2	32.1	32.2	32.3	32.7	33.1	33.2	33.5	33.8	34.2	34.2		
1.7	28.9	30.1	31.5	32.5	32.7	33.6	33.7	33.8	34.2	34.6	34.7	34.9	35.3	35.7	36.4		
1.7	30.7	32.1	33.7	34.8	35.1	35.9	36.0	36.2	36.5	36.9	37.0	37.3	37.7	38.0	38.8		
1.7	30.7	34.2	36.0	37.2	37.4	38.3	38.4	38.5	38.9	39.3	39.4	39.6	40.0	40.4	41.1		
2.0	33.9	35.3	37.2	38.3	38.5	39.5	39.6	39.8	40.1	40.5	40.6	40.9	41.2	41.6	42.3		
2.1	35.3	37.4	39.8	40.9	41.1	42.3	42.6	42.7	43.1	43.5	43.6	43.8	44.2	44.6	45.3		
2.1	40.0	42.5	44.4	45.6	45.8	47.0	47.3	47.4	47.8	48.1	48.3	48.5	48.9	49.3	50.0		
2.1	47.2	50.0	52.6	53.8	54.1	55.3	55.6	55.9	56.3	56.7	56.9	57.0	57.4	57.8	58.5		
2.5	57.0	60.5	62.8	64.1	64.4	65.7	66.3	66.4	66.8	67.2	67.3	67.8	68.1	68.5	69.3		
2.5	61.0	64.6	66.9	68.4	68.8	70.0	70.6	70.7	71.1	71.5	71.6	72.1	72.5	72.8	73.6		
2.6	63.7	67.7	70.0	72.1	72.5	73.7	74.4	74.6	74.9	75.3	75.4	75.9	76.3	76.7	77.4		
2.6	65.8	69.8	72.2	74.8	75.2	76.4	77.2	77.3	77.7	78.1	78.1	78.6	79.1	79.4	80.1		
2.6	66.8	70.7	73.3	76.2	76.5	77.8	78.5	78.6	79.0	79.4	79.5	80.0	80.4	80.7	81.5		
2.6	68.0	72.2	74.9	77.9	78.3	79.5	80.2	80.4	80.7	81.1	81.2	81.7	82.1	82.5	83.2		
2.6	68.5	72.7	75.8	78.8	79.1	80.4	81.1	81.2	81.6	82.0	82.1	82.6	83.0	83.3	84.1		
2.6	69.1	73.3	76.4	79.5	79.9	81.1	81.9	82.0	82.3	82.7	82.8	83.5	83.8	84.2	84.2		
2.6	69.1	73.5	76.5	79.8	80.1	81.5	82.2	82.3	82.7	83.1	83.2	83.8	84.2	84.6	85.7		
2.6	69.1	73.7	76.8	80.0	80.4	81.7	82.5	82.6	83.1	83.5	83.6	84.2	84.6	84.9	85.7		
2.6	69.1	73.7	76.8	80.0	80.5	82.0	82.7	82.8	83.3	83.7	83.8	84.4	84.8	85.2	85.9		
2.6	69.5	74.1	77.2	80.4	81.1	82.7	83.5	83.6	84.2	84.7	84.8	85.4	85.8	86.2	86.9		
2.6	69.5	74.1	77.3	80.5	81.4	83.0	83.7	83.8	84.4	84.9	85.1	85.7	86.0	86.4	87.2		
2.6	69.9	74.4	78.1	81.6	82.5	84.6	85.7	85.8	86.4	86.9	87.0	87.7	88.0	88.4	89.4		
2.6	69.9	74.4	78.3	82.0	82.8	85.3	86.5	86.8	87.7	88.3	88.8	89.5	89.9	90.4	91.4		
2.6	69.9	74.4	78.3	82.0	83.0	85.6	87.0	87.7	88.8	89.8	90.4	91.4	92.1	92.8	94.4		
2.6	69.9	74.4	78.3	82.0	83.0	85.6	87.0	87.8	88.9	90.2	90.9	92.1	93.1	94.1	97.5		
2.6	69.9	74.4	78.3	82.0	83.0	85.6	87.0	87.8	88.9	90.4	91.0	92.2	93.3	94.3	100.0		

TOTAL NUMBER OF OBSERVATIONS 810

2

CEILING VERSUS VISIBILITY

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

[illegible] DAY BASEST [illegible] NO.

[illegible] FREQUENCY OF OCCURRENCE
[illegible] OBSERVATIONS

[illegible]	[illegible]	19.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.5	27.[illegible]	[illegible]	24.7	24.7	24.8	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	21.7	27.3	[illegible]	[illegible]	[illegible]	25.4	[illegible]	[illegible]	25.7	25.7	27.2	27.2	27.5	27.[illegible]
[illegible]	[illegible]	21.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26.[illegible]	26.[illegible]	27.4	27.[illegible]	[illegible]	[illegible]
[illegible]	21.1	22.2	23.6	24.8	24.8	[illegible]	[illegible]	[illegible]	[illegible]	27.7	27.[illegible]	27.8	27.[illegible]	[illegible]	[illegible]
[illegible]	22.5	27.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	23.6	24.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	26.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.1	31.[illegible]	31.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	27.7	[illegible]	[illegible]	[illegible]	[illegible]	31.4	[illegible]	[illegible]	[illegible]	32.6	[illegible]	[illegible]	33.5	[illegible]
[illegible]	[illegible]	29.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.6	[illegible]	[illegible]	35.6	35.7	35.9	[illegible]
[illegible]	[illegible]	31.7	37.3	34.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.7	37.8	38.[illegible]	[illegible]
[illegible]	31.[illegible]	32.7	34.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38.9	39.1	[illegible]
[illegible]	34.4	34.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.3	42.8	43.[illegible]	43.2	43.6
[illegible]	[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.[illegible]	47.5	47.7	47.9	48.7
[illegible]	47.[illegible]	49.3	51.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.7	55.2	56.7	56.5	56.9
[illegible]	51.7	56.4	56.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.7	64.4
[illegible]	59.4	60.[illegible]	64.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.9	71.2
[illegible]	63.8	68.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.[illegible]
[illegible]	66.0	70.4	73.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	79.4	79.5	79.8	81.1
[illegible]	66.7	71.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	67.7	70.[illegible]	75.1	77.2	77.8	78.4	79.4	[illegible]	[illegible]	81.[illegible]	81.[illegible]	81.6	81.7	82.[illegible]	[illegible]
[illegible]	68.6	73.[illegible]	76.5	[illegible]	[illegible]	[illegible]	81.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.[illegible]
[illegible]	68.8	73.[illegible]	76.9	79.3	[illegible]	81.1	81.[illegible]	[illegible]	[illegible]	[illegible]	84.2	84.3	84.6	84.9
[illegible]	68.9	73.7	77.2	79.5	[illegible]	81.4	82.1	[illegible]	[illegible]	[illegible]	84.4	84.5	84.8	85.2
[illegible]	68.9	73.8	77.3	79.6	[illegible]	81.5	82.2	83.[illegible]	[illegible]	84.[illegible]	84.6	84.7	85.1	85.4
[illegible]	68.9	74.1	77.8	[illegible]	81.[illegible]	82.3	83.1	[illegible]	84.1	84.8	84.8	85.6	85.7	86.0	86.4
[illegible]	69.1	74.6	78.5	81.1	81.9	87.3	84.1	84.8	85.1	85.8	85.8	86.5	86.7	87.0	87.7
[illegible]	69.4	74.8	78.8	81.4	82.1	83.7	84.4	85.0	85.4	86.[illegible]	86.2	86.9	87.[illegible]	87.4	88.0
[illegible]	69.5	74.9	78.9	81.7	82.5	84.3	85.3	86.[illegible]	86.3	87.[illegible]	87.[illegible]	87.9	88.1	88.5	89.3
[illegible]	69.5	74.9	79.0	81.9	82.6	84.7	85.9	86.5	87.[illegible]	88.[illegible]	88.[illegible]	89.0	89.7	89.8	9[illegible].5
[illegible]	69.5	74.9	79.1	82.0	82.7	84.9	86.4	87.7	88.3	89.[illegible]	89.[illegible]	90.9	91.2	92.7	94.3
[illegible]	69.5	74.9	79.1	82.0	82.7	84.9	86.5	87.8	88.3	89.7	89.3	91.1	91.[illegible]	[illegible]	97.0
[illegible]	69.5	74.9	79.1	82.0	82.7	84.9	86.5	87.8	88.3	89.5	89.5	91.4	91.9	94.71	[illegible]

[illegible] NUMBER OF OBSERVATIONS [illegible] 812

[illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AN MARYFT LE.[illegible] [illegible] NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

13.5	1[illegible].4	19.[illegible]	19.5	19.9	19.9	19.9	19.9	19.9	19.9	20.0	20.0	20.2	2[illegible].2	[illegible]	2[illegible].5	[illegible]	
16.[illegible]	23.[illegible]	27.5	24.3	24.7	24.7	24.7	24.7	24.7	24.8	25.1	25.1	25.1	25.1	25.3	25.3		
17.0	23.6	24.2	24.9	25.3	25.3	25.3	25.3	25.3	25.4	25.7	25.7	25.7	25.7	25.9	26.4		
18.[illegible]	24.6	25.2	25.9	26.3	26.3	26.3	26.3	26.3	26.4	26.7	26.7	26.7	26.7	26.9	27.4		
19.6	26.3	27.[illegible]	27.8	28.1	28.1	28.1	28.1	28.1	28.3	28.5	28.5	28.5	28.5	28.9	29.7		
21.1	28.9	29.5	30.5	30.9	30.9	30.9	30.9	30.9	31.0	31.2	31.2	31.2	31.2	31.5	32.2		
22.7	31.4	32.1	33.0	33.3	33.3	33.3	33.3	33.3	33.5	33.7	33.7	33.7	33.7	34.0	34.4		
23.7	32.5	33.6	34.4	34.8	34.8	34.8	34.8	34.9	34.9	35.2	35.2	35.2	35.2	35.4	35.9		
24.4	35.[illegible]	36.8	37.7	38.0	38.0	38.0	38.0	38.0	38.1	38.4	38.4	38.4	38.4	38.6	39.1		
26.3	38.9	39.[illegible]	40.6	41.0	41.0	41.0	41.0	41.0	41.1	41.4	41.4	41.4	41.4	41.6	42.1		
27.2	41.0	41.[illegible]	42.7	43.1	43.1	43.1	43.1	43.1	43.2	43.5	43.5	43.5	43.5	43.7	44.[illegible]		
[illegible].6	45.1	45.[illegible]	46.9	47.5	47.5	47.5	47.5	47.5	47.7	47.9	47.9	47.9	47.9	48.1	48.8		
[illegible]	47.4	48.4	49.6	50.6	50.6	50.6	50.6	50.6	50.7	51.0	51.0	51.0	51.0	51.2	51.7		
52.1	54.4	55.9	57.3	58.5	58.5	58.8	58.8	58.8	58.9	59.1	59.1	59.1	59.1	59.4	59.9		
54.[illegible]	61.5	63.[illegible]	64.7	66.2	66.2	66.4	66.4	66.4	66.5	66.8	66.8	66.8	66.8	67.0	67.5		
55.[illegible]	65.3	67.[illegible]	69.1	70.9	71.1	71.4	71.4	71.5	71.6	71.9	71.9	71.9	71.9	72.1	72.6		
[illegible]	67.0	69.1	71.6	73.6	74.[illegible]	74.7	74.7	74.8	74.9	75.2	75.2	75.2	75.2	75.4	75.9		
58.4	70.0	72.2	75.4	77.5	78.[illegible]	78.8	78.8	78.9	79.0	79.3	79.3	79.3	79.3	79.5	80.1		
59.5	70.5	72.7	75.9	78.1	78.6	79.4	79.4	79.5	79.6	79.9	79.9	79.9	79.9	80.1	80.[illegible]		
59.7	71.9	74.2	77.8	80.6	81.1	81.9	81.9	82.2	82.3	82.6	82.6	82.6	82.6	82.8	83.3		
59.7	72.1	74.7	79.4	81.2	81.7	82.7	82.7	83.1	83.2	83.5	83.5	83.5	83.5	83.7	84.2		
59.7	72.2	74.9	79.6	82.0	82.5	83.5	83.5	83.8	84.0	84.2	84.2	84.2	84.2	84.4	84.9		
59.7	72.2	74.[illegible]	79.6	80.0	82.5	83.5	83.6	84.0	84.1	84.3	84.3	84.3	84.3	84.6	85.1		
59.[illegible]	72.3	75.1	78.6	80.3	83.1	84.1	84.3	84.8	85.1	85.3	85.3	85.3	85.3	85.6	86.7		
59.[illegible]	72.5	75.6	79.3	83.2	84.[illegible]	84.9	85.3	85.9	86.3	86.5	86.5	86.5	86.5	86.8	87.3		
59.[illegible]	72.6	75.8	79.6	83.6	84.4	85.6	85.9	86.5	87.[illegible]	87.3	87.3	87.3	87.3	87.5	88.[illegible]		
59.[illegible]	73.0	75.9	79.8	83.7	85.1	86.5	87.2	87.8	88.3	88.6	88.6	88.6	88.6	88.9	89.4		
59.[illegible]	73.1	76.0	79.9	84.0	85.4	86.9	87.7	88.3	89.1	89.6	89.8	89.8	89.8	90.2	90.9		
59.[illegible]	73.1	76.0	79.9	84.1	85.6	87.3	88.0	88.9	90.0	90.7	90.9	91.0	91.2	92.2	93.0		
59.0	73.1	76.[illegible]	80.0	84.2	85.7	87.4	88.1	89.[illegible]	90.2	91.4	91.6	92.0	92.6	94.9	96.5		
59.[illegible]	73.1	76.[illegible]	80.0	84.2	85.7	87.4	88.1	89.0	90.4	91.5	91.7	92.5	93.2	96.7	99.4		
59.[illegible]	73.1	76.[illegible]	80.0	84.2	85.7	87.4	88.1	89.0	90.4	91.5	91.7	92.5	93.2	96.9	1[illegible]0.0		

TOTAL NUMBER OF OBSERVATIONS [illegible]

2

CEILING VERSUS VISIBILITY

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE/MAC

[illegible] FAY MARKET LEWIS [illegible] 73-81 [illegible] NG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-2400

[illegible]	[illegible]	27.[illegible]	[illegible]	21.2	21.2	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	[illegible]
[illegible]	24.9	25.6	26.[illegible]	26.7	26.8	26.9	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
[illegible]	25.9	26.5	27.1	27.7	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	27.2	27.7	28.3	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
29.7	29.6	30.[illegible]	31.7	31.5	31.6	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
[illegible]	31.4	32.[illegible]	33.6	34.3	34.4	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
[illegible]	34.0	34.7	35.7	36.4	36.5	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
[illegible]	35.7	36.4	37.4	38.1	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
[illegible]	40.1	40.[illegible]	41.9	42.6	42.7	42.7	43.0	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	43.[illegible]	[illegible]	[illegible]
[illegible]	43.0	43.7	44.7	45.4	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
[illegible]	[illegible]	47.4	47.4	48.1	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	[illegible]
[illegible]	49.8	51.3	52.0	52.7	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
[illegible]	50.7	54.1	55.1	55.8	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
[illegible]	54.9	61.9	62.8	63.6	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
[illegible]	66.4	69.[illegible]	7[illegible].2	71.0	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
73.5	6[illegible].6	72.1	73.6	74.4	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
74.5	73.7	75.7	78.1	79.3	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
74.[illegible]	76.5	79.[illegible]	81.4	82.9	83.2	83.5	84.0	84.[illegible]	84.0	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	84.[illegible]	84.2
74.[illegible]	76.9	82.[illegible]	81.7	83.2	83.7	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
45.3	7[illegible].3	87.3	84.4	86.2	86.7	87.3	88.0	88.[illegible]	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
45.3	7[illegible].6	87.7	84.8	86.8	87.3	87.9	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
45.3	7[illegible].8	87.8	85.1	87.7	88.4	89.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
45.3	7[illegible].9	87.[illegible]	85.6	88.3	89.0	89.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
45.3	7[illegible].9	87.[illegible]	85.7	88.4	89.1	89.8	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
45.3	7[illegible].9	87.[illegible]	85.7	88.5	89.6	90.2	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5	92.5
45.3	7[illegible].9	87.3	86.2	89.0	90.4	91.4	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
45.3	7[illegible].9	87.7	86.2	89.1	90.9	92.2	94.2	94.6	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3
45.3	7[illegible].9	87.7	86.2	89.1	91.[illegible]	92.6	95.2	96.3	96.8	96.9	96.9	96.9	96.9	97.[illegible]	97.[illegible]	97.[illegible]	97.[illegible]
45.3	7[illegible].9	87.3	86.3	89.3	91.2	92.5	96.2	97.4	98.3	98.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9
45.3	7[illegible].9	87.7	86.3	89.3	91.2	92.8	96.4	97.7	98.5	98.8	98.8	98.9	99.3	99.5	99.5	99.5	99.5
45.3	7[illegible].9	87.7	86.3	89.3	91.2	92.8	96.4	97.7	98.5	98.8	98.8	98.9	99.3	99.5	100.0	[illegible]	[illegible]
45.3	7[illegible].9	87.7	86.3	89.3	91.2	92.8	96.4	97.7	98.5	98.8	98.8	98.9	99.3	99.5	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 81[illegible]

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

[illegible]	[illegible]	21.7	21.1	21.2	21.4	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	[illegible]	21.7	21.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	25.8	26.2	26.3	26.5	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.[illegible]	27.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26.7	26.[illegible]	26.4	26.5	26.8	26.8	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.7	27.7	[illegible]	[illegible]	[illegible]
[illegible]	27.3	27.7	28.[illegible]	28.1	28.4	29.4	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.9	29.9	[illegible]	[illegible]	[illegible]
[illegible]	31.[illegible]	31.4	31.7	31.9	32.1	32.1	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.6	[illegible]	[illegible]	[illegible]
[illegible]	33.1	33.5	34.1	34.2	34.4	34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.7	34.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	35.4	35.8	36.4	36.7	36.9	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4	[illegible]	[illegible]	[illegible]
[illegible]	36.0	36.4	37.3	37.3	37.5	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	40.9	40.8	41.1	41.4	41.6	41.6	42.0	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	42.1	42.1	[illegible]	[illegible]	[illegible]
[illegible]	44.6	44.1	44.7	44.8	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	[illegible]	[illegible]	[illegible]
[illegible]	45.1	45.8	46.2	46.4	46.7	46.7	47.0	47.[illegible]	47.0	47.0	47.0	47.0	47.[illegible]	47.0	47.0	47.0	[illegible]	[illegible]	[illegible]
[illegible]	49.1	49.8	50.4	50.7	51.0	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	[illegible]	[illegible]	[illegible]
[illegible]	51.5	52.7	53.[illegible]	53.8	53.7	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	60.2	61.8	62.3	63.0	63.2	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	[illegible]	[illegible]	[illegible]
[illegible]	66.2	66.8	67.7	68.7	68.5	68.6	69.0	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.0	69.0	69.1	69.1	[illegible]	[illegible]	[illegible]
[illegible]	71.1	77.8	74.9	75.8	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	[illegible]	[illegible]	[illegible]
[illegible]	79.2	79.8	79.9	81.2	81.5	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	77.3	81.0	82.8	84.6	84.9	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	[illegible]	[illegible]	[illegible]
[illegible]	77.8	81.7	83.1	84.8	85.2	85.9	86.3	86.7	86.3	86.3	86.3	86.3	86.3	86.7	86.4	86.4	[illegible]	[illegible]	[illegible]
[illegible]	79.1	83.7	85.6	87.5	87.9	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	[illegible]	[illegible]	[illegible]
[illegible]	79.9	83.[illegible]	86.0	88.1	88.5	89.3	89.6	89.8	89.8	90.0	90.0	90.0	90.0	90.1	90.1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.6	83.9	86.7	88.9	89.5	90.0	90.7	90.9	91.0	91.4	91.4	91.4	91.4	91.5	91.5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.6	84.1	87.[illegible]	89.3	89.9	90.7	91.4	91.5	91.7	92.1	92.1	92.1	92.1	92.2	92.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.8	84.0	87.2	89.4	9[illegible].1	91.7	91.9	92.[illegible]	92.3	92.7	92.7	92.7	92.8	93.0	93.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.8	84.3	87.3	89.6	9[illegible].4	92.3	93.[illegible]	93.2	93.8	94.3	94.3	94.3	94.4	94.6	94.6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.8	84.7	87.3	9[illegible].1	9[illegible].9	93.1	93.7	94.2	94.8	95.4	95.4	95.4	95.6	95.7	95.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	84.4	87.4	90.2	91.[illegible]	93.3	94.[illegible]	94.8	95.4	96.[illegible]	96.[illegible]	96.2	96.2	96.3	96.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	84.4	87.4	90.2	91.0	93.6	94.4	95.7	96.3	97.5	97.9	98.[illegible]	98.1	98.3	98.4	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	84.4	87.4	90.2	91.0	93.6	94.6	95.4	96.7	98.1	98.5	98.6	98.8	99.1	99.6	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	84.4	87.4	90.2	91.0	93.6	94.6	95.4	96.7	98.1	98.5	98.6	98.8	99.1	99.9	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	79.9	84.4	87.4	90.2	91.0	93.6	94.6	95.4	96.7	98.1	98.5	98.6	98.8	99.1	100.0	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 81[illegible]

2

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AFB/FT LEWIS, WA 73-81 Nov

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

19[illegible]-1[illegible]02

[illegible]	22.2	22.[illegible]	23.2	24.2	24.7	24.9	25.1	25.[illegible]	25.4	25.4	25.4	25.6	25.7	25.9	26.[illegible]
[illegible]	24.6	25.4	25.8	26.8	27.3	27.5	27.7	27.9	28.3	28.3	28.3	29.4	29.5	29.8	29.[illegible]
[illegible]	24.8	25.4	25.8	26.8	27.3	27.5	27.7	27.9	28.3	28.3	28.3	28.4	28.5	28.8	29.[illegible]
[illegible]	25.3	25.9	26.3	27.3	27.8	28.3	28.1	28.4	28.8	29.5	28.8	28.9	29.3	29.3	29.5
[illegible]	27.5	29.1	28.5	29.5	30.0	30.2	30.4	30.6	31.0	31.0	31.0	31.1	31.2	31.5	31.7
[illegible]	29.4	31.7	30.4	31.5	32.1	32.2	32.3	32.6	33.0	33.[illegible]	33.[illegible]	33.1	33.2	33.5	32.7
[illegible]	[illegible]	33.8	33.8	35.2	35.7	35.9	36.0	36.7	36.7	36.7	36.7	36.8	36.9	37.[illegible]	37.4
[illegible]	33.5	34.3	34.8	36.3	36.8	37.[illegible]	37.2	37.4	37.8	37.8	37.8	37.9	38.[illegible]	38.3	38.5
[illegible]	[illegible]	[illegible]	38.3	39.8	40.2	40.5	40.6	40.[illegible]	41.2	41.2	41.2	41.4	41.5	41.7	42.
[illegible]	39.9	39.[illegible]	40.2	41.7	42.2	42.5	42.6	42.[illegible]	43.2	43.2	43.2	43.3	43.5	43.7	44.
[illegible]	41.4	4[illegible]	42.7	44.2	44.7	44.9	45.1	45.3	45.7	45.7	45.7	45.8	45.9	46.2	46.4
[illegible]	44.1	45.7	46.3	47.8	48.3	49.6	48.9	49.1	49.5	49.5	49.5	49.6	49.8	50.0	50.[illegible]
[illegible]	47.7	49.5	51.2	51.9	52.3	52.7	53.0	53.2	53.6	53.6	53.6	53.7	53.9	54.1	54.3
[illegible]	57.7	59.[illegible]	60.9	62.5	63.[illegible]	63.3	63.6	63.8	64.2	64.2	64.2	64.3	64.4	64.7	64.9
[illegible]	62.6	65.4	66.5	68.1	68.6	69.[illegible]	69.3	69.5	69.9	69.[illegible]	69.9	70.0	70.1	70.4	70.6
[illegible]	66.5	69.9	71.2	73.0	73.5	73.8	74.1	74.3	74.7	74.9	74.9	75.1	75.2	75.4	75.7
[illegible]	71.1	74.9	76.3	78.0	78.5	78.9	79.1	79.4	79.8	80.[illegible]	80.[illegible]	80.1	80.[illegible]	80.5	80.7
[illegible]	73.5	77.3	79.1	81.6	82.1	82.6	82.8	83.1	83.5	83.7	83.7	83.8	84.[illegible]	84.6	84.8
[illegible]	74.2	78.1	80.5	83.0	83.5	84.0	84.2	84.4	84.8	85.1	85.1	85.2	85.3	85.9	86.[illegible]
[illegible]	74.7	7[illegible].8	81.7	84.2	84.7	85.3	85.6	85.8	86.2	86.4	86.4	86.5	86.7	87.3	87.5
[illegible]	74.9	79.3	82.6	85.1	85.6	86.2	86.4	86.7	87.0	87.3	87.3	87.4	87.5	88.1	88.4
[illegible]	75.1	79.6	83.0	85.4	85.9	86.8	87.0	87.3	87.7	88.0	88.0	88.1	88.3	88.9	89.1
[illegible]	75.3	79.9	83.6	86.0	86.5	87.8	88.3	88.5	89.0	89.4	89.4	89.5	89.6	90.2	90.5
[illegible]	75.3	79.9	83.6	86.0	86.5	87.8	88.4	88.5	89.1	89.5	89.5	89.6	89.8	90.4	90.6
[illegible]	75.4	80.1	84.0	86.4	87.0	88.4	89.0	89.7	89.8	90.1	90.1	90.2	90.4	91.0	91.2
[illegible]	75.6	8[illegible].2	84.2	86.7	87.3	88.9	89.5	89.8	90.5	90.9	90.9	91.0	91.1	91.7	92.2
[illegible]	75.6	80.7	84.3	86.9	87.9	89.5	90.1	90.4	91.1	91.5	91.5	91.6	91.7	92.3	92.6
[illegible]	75.7	80.4	84.4	87.2	88.1	90.2	90.9	91.1	91.9	92.2	92.5	92.6	92.7	93.3	93.6
[illegible]	75.7	80.4	84.4	87.4	88.4	90.4	91.5	92.[illegible]	92.7	93.2	93.5	93.6	93.7	94.3	94.8
[illegible]	75.7	80.4	84.4	87.4	88.4	90.5	91.9	92.3	93.2	94.2	94.4	94.9	95.1	96.2	97.2
[illegible]	75.7	80.4	84.4	87.4	88.4	90.5	91.9	92.3	93.2	94.3	94.6	95.4	95.7	96.8	98.9
[illegible]	75.7	8[illegible]	84.4	87.4	88.4	90.5	91.9	92.3	93.2	94.3	94.6	95.4	95.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF [illegible]

2

L AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS WA 73-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 11.0-2200

.3	22.7	22.6	23.0	23.7	24.0	24.4	25.1	25.4	26.2	26.9	26.9	27.4	27.4	27.5	[illegible]	7.8
.3	23.6	24.2	24.6	25.3	25.7	26.2	27.0	27.4	28.3	29.2	29.2	29.5	29.5	29.6	29.9	
3.	23.7	24.3	24.7	25.4	25.9	26.3	27.2	27.5	28.4	29.1	29.1	29.6	29.6	29.8	[illegible]	
3.	23.8	24.4	24.8	25.6	25.9	26.4	27.3	27.7	28.5	29.3	29.3	29.8	29.8	29.9	30.1	
3.	24.6	25.2	25.7	26.4	26.8	27.3	28.1	28.5	29.4	30.1	30.1	30.6	30.6	30.7	31.0	
.0	26.5	27.3	27.8	28.5	28.9	29.4	30.2	30.6	31.5	32.2	32.2	32.7	32.7	32.8	33.1	
4.1	28.5	29.3	29.9	30.6	31.0	31.5	32.5	32.8	33.7	34.4	34.4	34.9	34.9	35.1	35.3	
4.1	29.6	30.4	31.0	32.0	32.3	32.8	33.8	34.2	35.1	35.8	35.8	36.3	36.3	36.4	36.7	
.4	33.2	34.0	34.6	35.6	35.9	36.4	37.5	37.9	38.8	39.5	39.5	40.0	40.0	40.1	40.4	
.4	35.3	36.2	36.8	37.8	38.1	38.6	39.8	40.1	41.2	41.7	41.7	42.2	42.2	42.3	42.6	
.7	36.8	37.0	38.5	39.5	39.9	40.4	41.5	41.9	42.7	43.5	43.5	44.0	44.0	44.1	44.3	
.1	40.2	41.5	42.8	44.1	44.4	44.9	46.0	46.4	47.3	48.0	48.0	48.5	48.5	48.6	48.9	
.1	43.8	45.2	46.7	47.9	48.3	48.8	49.9	50.3	51.1	51.9	51.9	52.3	52.3	52.5	52.7	
.6	53.6	55.1	57.2	58.4	58.8	59.3	60.4	60.7	61.6	62.3	62.3	62.8	62.8	63.0	63.2	
.6	58.9	60.7	63.0	64.2	64.6	65.2	66.3	66.7	67.5	68.3	68.3	68.8	68.8	68.9	69.1	
5.7	62.7	64.5	67.0	68.3	68.6	69.3	70.4	70.7	71.6	72.3	72.3	72.8	72.8	73.0	73.2	
5.7	67.0	69.6	72.0	73.2	73.6	74.2	75.3	75.7	76.5	77.3	77.3	77.8	77.8	77.9	78.1	
5.7	68.9	71.5	74.2	75.7	76.0	76.8	78.0	78.4	79.3	80.0	80.2	80.5	80.5	80.6	80.9	
5.7	69.8	72.5	75.2	76.8	77.2	77.9	79.1	79.5	80.4	81.1	81.1	81.6	81.6	81.7	82.0	
5.7	71.2	74.4	77.9	79.6	80.0	80.7	82.0	82.3	83.2	84.0	84.0	84.4	84.4	84.6	84.8	
5.7	71.2	74.7	78.6	80.4	80.7	81.5	82.7	83.1	84.1	84.8	84.8	85.3	85.3	85.4	85.7	
5.7	71.6	75.0	79.1	81.1	81.5	82.2	83.5	83.8	84.8	85.6	85.6	86.0	86.0	86.2	86.4	
5.7	72.1	75.8	79.8	81.9	82.2	83.0	84.2	84.7	85.7	86.4	86.4	86.9	86.9	87.0	87.3	
5.7	72.1	75.8	79.8	82.0	82.5	83.3	84.6	85.1	86.0	86.8	86.8	87.3	87.3	87.4	87.7	
5.7	72.1	75.8	79.8	82.0	82.5	83.3	84.7	85.2	86.2	86.9	86.9	87.4	87.4	87.5	87.8	
5.7	72.2	75.9	79.9	82.3	82.8	83.7	85.3	85.8	86.9	87.7	87.7	88.1	88.1	88.3	88.5	
5.7	72.5	76.3	80.4	82.8	83.6	84.4	86.0	86.5	87.7	88.4	88.4	88.9	88.9	89.0	89.3	
5.7	72.8	76.9	81.0	83.7	84.7	85.7	87.3	87.8	88.9	89.6	89.6	90.1	90.1	90.2	90.5	
5.7	73.1	77.2	81.2	84.0	85.1	86.2	87.9	88.4	89.6	90.6	90.6	91.1	91.1	91.2	92.0	
5.7	73.1	77.2	81.2	84.1	85.2	86.5	88.5	89.1	90.5	91.9	92.1	92.7	92.8	93.2	94.3	
5.7	73.1	77.2	81.2	84.2	85.3	86.7	88.6	89.3	90.6	92.2	92.2	93.3	94.[illegible]	94.7	97.9	
5.7	73.1	77.2	81.2	84.2	85.3	86.7	88.6	89.3	90.6	92.2	92.2	93.3	94.[illegible]	94.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 812

2

U.S. AIR CLIMATOLOGY BRANCH
USAF
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

DAY BASE/FT LEVELS BY 73-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible]	21.3	22.0	22.5	23.2	23.4	23.7	24.0	24.2	24.4	24.7	24.7	25.0	25.1	25.3	25.6
[illegible]	24.0	24.8	25.4	26.1	26.4	26.7	27.1	27.2	27.5	27.5	27.9	28.1	28.3	28.5	28.5
[illegible]	24.3	25.0	25.7	26.4	26.6	27.0	27.4	27.5	27.8	28.0	28.2	28.4	28.5	28.8	29.1
[illegible]	24.8	25.6	26.2	26.9	27.2	27.5	27.9	28.1	28.3	28.7	28.7	28.9	29.1	29.3	29.6
11.[illegible]	26.6	27.4	28.1	28.8	29.0	29.4	29.6	29.9	30.2	30.6	30.6	30.8	31.[illegible]	31.2	31.5
12.3	28.2	29.[illegible]	29.8	30.6	30.8	3[illegible].2	31.5	31.7	32.0	32.4	32.4	32.6	32.7	33.0	33.3
13.[illegible]	3[illegible].3	31.2	32.0	32.9	33.1	33.5	33.9	34.0	34.3	34.7	34.7	34.9	35.1	35.3	35.6
15.1	31.6	32.5	33.3	34.3	34.5	34.8	35.2	35.4	35.7	36.0	36.1	36.3	36.4	36.7	37.0
16.[illegible]	34.7	35.7	36.6	37.6	37.8	38.2	38.6	38.8	39.1	39.4	39.4	39.7	39.8	40.0	40.3
14.5	36.9	37.9	38.9	39.9	40.1	40.5	40.9	41.0	41.4	41.7	41.7	41.9	42.1	42.3	42.6
17.1	38.7	39.8	40.8	41.7	42.0	42.3	42.7	42.9	43.2	43.6	43.6	43.8	44.[illegible]	44.2	44.5
18.[illegible]	42.2	43.4	44.6	45.6	45.8	46.3	46.7	46.9	47.2	47.5	47.6	47.8	47.9	48.2	48.5
19.3	45.4	46.9	48.2	49.3	49.6	50.0	50.4	50.6	50.9	51.3	51.3	51.5	51.7	51.9	52.[illegible]
17.[illegible]	53.6	55.6	57.1	58.3	58.5	59.0	59.5	59.7	60.0	60.3	60.4	60.6	60.7	61.0	61.3
19.[illegible]	6[illegible].[illegible]	62.4	64.1	65.4	65.6	66.2	66.6	66.8	67.1	67.5	67.5	67.6	67.9	68.1	68.5
18.2	64.4	67.2	69.0	70.4	70.8	71.3	71.8	72.2	72.3	72.7	72.7	73.0	73.1	73.4	73.7
19.[illegible]	69.3	71.5	73.4	75.1	75.5	76.1	76.6	76.8	77.1	77.5	77.5	77.8	78.0	78.2	78.5
19.[illegible]	72.6	73.9	76.2	78.2	78.6	79.4	80.0	80.2	80.5	80.5	80.9	81.2	81.4	81.6	81.9
19.6	71.2	74.5	76.9	79.0	79.5	80.3	80.9	81.1	81.4	81.6	81.8	82.1	82.2	82.5	82.8
19.7	72.6	76.2	79.0	81.3	81.8	82.6	83.2	83.5	83.8	84.2	84.2	84.5	84.7	84.9	85.2
19.7	73.0	76.7	79.8	82.1	82.6	83.5	84.2	84.4	84.8	85.2	85.2	85.5	85.6	85.9	86.[illegible]
19.7	73.2	77.1	80.2	82.8	83.3	84.3	85.0	85.2	85.6	86.0	86.0	86.3	86.5	86.8	87.1
19.7	73.4	77.3	80.5	83.2	83.7	84.8	85.5	85.8	86.2	86.7	86.7	87.0	87.1	87.4	87.7
19.7	73.4	77.4	80.7	83.4	84.0	85.0	85.9	86.2	86.6	87.1	87.1	87.4	87.5	87.8	88.1
19.7	73.5	77.6	80.9	83.7	84.4	85.5	86.4	86.7	87.2	87.6	87.7	88.0	88.1	88.4	88.8
19.7	73.7	77.8	81.2	84.1	85.0	86.3	87.3	87.6	88.2	88.7	88.7	89.0	89.2	89.5	89.8
19.7	73.8	77.9	81.4	84.4	85.5	87.0	88.0	88.5	89.1	89.6	89.6	89.9	90.1	90.4	90.8
19.7	74.0	78.2	81.7	84.8	86.0	87.7	89.0	89.5	90.2	90.8	90.8	91.1	91.3	91.7	92.1
19.7	74.0	78.2	81.6	85.0	86.2	88.2	89.6	90.3	91.2	92.0	92.2	92.6	92.8	93.2	93.9
19.7	74.0	78.2	81.8	85.0	86.2	88.3	89.9	90.8	91.8	92.9	93.1	93.8	94.1	95.0	96.1
19.7	74.0	78.2	81.8	85.0	86.3	88.4	90.0	90.8	91.9	93.0	93.2	94.1	94.7	95.9	98.4
19.7	74.0	78.2	81.8	85.1	86.3	88.4	90.0	90.8	91.9	93.1	93.3	94.2	94.8	96.21	100.2

TOTAL NUMBER OF OBSERVATIONS 6482

USAFETAC [illegible]

GLOBAL CLIMATOLOGY BRANCH
MAETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] MAY AAF/FT LEWIS WA 73-81 [illegible] 260

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-1600

.5	1[illegible].2	2[illegible]	[illegible]	22.4	24.1	24.4	25.1	25.5	25.7	26.1	26.6	26.7	27.1	27.1	27.2	27.8
.5	21.1	22.8	24.4	26.1	26.4	27.1	27.5	27.7	28.1	28.6	28.7	29.1	29.1	29.2	29.2	29.8
.5	21.1	22.8	24.4	26.1	26.4	27.1	27.5	27.7	28.1	28.6	28.7	29.1	29.1	29.2	29.2	29.8
.5	21.2	22.9	24.5	26.2	26.5	27.2	27.6	27.8	28.2	28.7	28.8	29.2	29.2	29.3	29.9	
.5	22.[illegible]	23.9	25.5	27.5	27.7	28.4	28.8	29.1	29.6	30.0	30.2	30.5	30.5	30.7	31.3	
.5	22.4	24.3	25.9	27.8	28.1	28.8	29.2	29.4	29.9	30.4	30.5	30.9	30.9	31.2	31.7	
.5	24.3	26.1	27.7	29.7	29.9	30.7	31.0	31.3	31.8	32.3	32.4	32.8	32.8	32.9	33.5	
.5	24.8	26.6	28.2	30.2	30.4	31.2	31.5	31.8	32.3	32.8	32.9	33.3	33.3	33.4	34.0	
1.0	26.7	28.7	30.4	32.4	32.6	33.4	33.7	34.0	34.5	35.0	35.1	35.5	35.5	35.6	36.2	
1.0	28.7	30.7	32.5	34.5	34.7	35.5	35.8	36.1	36.6	37.1	37.2	37.6	37.6	37.7	38.3	
1.0	30.0	32.0	33.9	35.8	36.1	36.8	37.2	37.4	37.9	38.4	38.5	38.9	38.9	39.[illegible]	39.7	
1.0	33.0	35.2	37.2	39.3	39.5	40.3	40.8	41.0	41.5	42.0	42.1	42.5	42.5	42.6	43.2	
1.0	36.7	39.0	41.1	43.3	43.6	44.5	45.0	45.2	45.7	46.2	46.3	46.7	46.7	46.8	47.4	
1.2	43.3	46.1	48.4	50.7	51.1	52.0	52.7	53.0	53.4	53.9	54.1	54.4	54.4	54.6	55.2	
1.5	50.2	53.0	55.4	58.3	58.6	59.6	60.3	60.7	61.2	61.8	61.9	62.3	62.3	62.4	63.1	
1.5	54.7	58.1	60.8	64.2	64.5	65.0	66.3	66.6	67.1	67.9	68.0	68.3	68.3	68.5	69.1	
1.5	60.1	64.3	67.0	70.6	70.9	72.0	72.8	73.2	73.6	74.4	74.5	74.9	74.9	75.0	75.6	
1.5	61.9	66.5	69.6	73.9	74.3	75.5	76.4	76.7	77.2	78.0	78.1	78.4	78.4	78.6	79.2	
1.5	63.2	68.0	71.1	75.5	75.9	77.1	78.0	78.3	78.8	79.6	79.7	80.0	80.0	80.2	80.8	
1.5	65.0	70.4	73.8	78.7	79.1	80.3	81.3	81.7	82.1	82.9	83.0	83.4	83.4	83.5	84.1	
1.5	65.6	71.3	74.9	79.9	80.3	81.5	82.5	82.9	83.4	84.1	84.2	84.6	84.6	84.7	85.3	
1.5	66.9	72.7	76.7	82.5	82.9	84.1	85.1	85.5	86.0	86.7	86.8	87.2	87.2	87.3	87.9	
1.5	67.4	73.2	77.3	83.1	83.5	84.7	85.7	86.1	86.6	87.3	87.4	87.8	87.8	87.9	88.5	
1.5	67.5	73.3	77.6	83.5	83.9	85.2	86.2	86.6	87.1	87.8	87.9	88.3	88.3	88.4	89.0	
1.5	68.0	73.8	78.1	84.0	84.4	85.7	86.7	87.1	87.6	88.3	88.4	88.8	88.8	88.9	89.5	
1.5	68.1	73.9	78.4	84.7	85.2	87.1	88.1	88.4	88.9	89.8	89.9	90.3	90.3	90.4	91.0	
1.5	68.1	73.9	78.7	85.1	85.6	87.8	88.8	89.2	89.9	90.8	90.9	91.3	91.3	91.4	92.0	
1.5	68.1	73.9	78.7	85.2	85.8	88.2	89.3	89.7	90.4	91.6	91.7	92.1	92.1	92.2	92.9	
1.5	68.1	73.9	78.8	85.3	86.0	88.4	89.8	90.7	91.0	92.4	92.6	93.0	93.1	93.2	93.8	
1.5	68.1	73.9	78.8	85.3	86.0	88.4	89.9	90.8	91.5	92.9	93.1	93.6	94.1	94.5	95.4	
1.5	68.1	73.9	78.8	85.3	86.0	88.4	90.0	90.9	91.7	93.1	93.3	94.5	95.1	96.1	98.5	
1.5	68.1	73.9	78.8	85.3	86.0	88.4	90.0	90.9	91.7	93.1	93.3	94.7	95.3	96.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 812

USAF ETAC [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] GRAY AAF/FT LEWIS WA 73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

1.1	17.7	18.5	19.3	20.0	20.4	20.6	21.0	21.1	21.4	21.5	21.9	22.[illegible]	22.[illegible]	22.[illegible]	22.[illegible]
1.1	18.9	20.1	20.6	21.4	21.8	22.0	22.4	22.6	22.9	23.0	23.4	23.5	23.5	23.5	23.5
1.1	18.9	20.1	20.6	21.4	21.8	22.0	22.4	22.6	22.9	23.0	23.4	23.5	23.5	23.5	23.5
1.1	18.9	20.1	20.6	21.4	21.8	22.0	22.4	22.6	22.9	23.0	23.4	23.5	23.5	23.5	23.5
1.1	19.2	20.6	21.1	22.1	22.5	22.7	23.1	23.4	23.6	23.7	24.1	24.2	24.2	24.2	24.2
1.1	19.5	21.1	21.5	22.5	22.9	23.1	23.5	23.7	24.0	24.1	24.5	24.6	24.6	24.6	24.6
1.2	23.0	24.7	25.5	26.6	26.9	27.2	27.6	27.8	28.1	28.2	28.6	28.7	28.7	28.7	28.7
1.2	23.9	25.7	26.6	27.7	28.1	28.3	28.7	28.9	29.2	29.3	29.7	29.8	29.8	29.8	29.8
1.4	25.6	27.6	28.6	29.7	30.0	30.4	30.8	31.0	31.3	31.4	31.8	31.9	31.9	31.9	31.9
1.5	26.7	28.9	29.8	30.9	31.3	31.6	32.0	32.3	32.5	32.6	33.0	33.1	33.1	33.1	33.1
1.6	28.1	30.2	31.1	32.3	32.6	33.0	33.4	33.6	33.9	34.0	34.4	34.5	34.5	34.5	34.5
1.6	32.0	34.1	35.4	36.7	37.1	37.5	37.8	38.1	38.4	38.6	38.9	39.1	39.1	39.1	39.1
1.6	36.1	38.3	39.7	41.2	41.5	41.9	42.3	42.5	42.9	43.0	43.4	43.5	43.5	43.5	43.5
1.7	43.5	46.6	48.0	49.8	50.6	51.3	51.7	51.9	52.3	52.4	52.8	52.9	52.9	52.9	[illegible]
1.7	50.2	53.5	55.3	57.2	58.0	58.7	59.1	59.3	59.7	59.8	60.2	60.3	60.3	60.3	[illegible]
1.7	55.4	59.1	61.1	63.8	64.5	65.5	66.0	66.4	66.9	67.2	67.4	67.5	67.5	67.5	67.5
1.9	59.6	63.4	65.8	68.9	69.6	70.8	71.3	71.7	72.2	72.3	72.7	72.8	72.8	72.8	72.8
1.9	63.2	67.2	70.3	73.8	74.5	75.8	76.4	76.8	77.3	77.4	77.8	77.9	77.9	77.9	77.9
1.9	64.4	68.6	71.7	75.2	75.9	77.3	77.9	78.2	78.7	78.9	79.2	79.4	79.4	79.4	79.4
1.9	66.3	71.1	74.3	77.9	78.6	80.1	80.8	81.2	81.7	81.8	82.2	82.3	82.3	82.3	82.3
1.9	67.2	72.9	76.3	80.0	80.7	82.2	82.9	83.7	83.8	83.9	84.3	84.4	84.4	84.4	84.4
1.9	67.9	73.7	77.4	81.8	82.6	84.3	85.0	85.4	86.2	86.3	86.7	86.8	86.9	86.9	86.9
1.9	68.4	74.3	78.0	82.4	83.2	84.9	85.7	86.[illegible]	86.8	86.9	87.3	87.4	87.4	87.4	87.4
1.9	68.5	74.5	78.2	82.8	83.6	85.4	86.3	86.7	87.4	87.5	87.9	88.0	88.0	88.0	88.0
1.9	68.6	74.[illegible]	78.5	83.2	83.9	86.0	86.9	87.[illegible]	88.[illegible]	88.1	88.5	88.6	88.6	88.6	88.6
1.9	68.7	75.[illegible]	79.1	84.1	84.8	87.1	88.0	88.4	89.1	89.2	89.6	89.7	89.7	89.7	89.7
1.9	68.7	75.3	79.7	84.8	85.5	88.0	88.9	89.[illegible]	90.0	90.1	90.5	90.6	90.6	90.6	90.6
1.9	68.7	75.3	79.7	84.9	85.7	88.3	89.1	89.5	90.2	90.5	90.9	91.0	91.0	91.0	91.0
1.9	68.9	75.4	79.9	85.0	85.8	88.4	90.0	90.5	91.5	91.7	92.1	92.2	92.2	92.2	92.2
1.9	68.9	75.4	80.1	85.4	86.4	89.[illegible]	90.7	91.3	93.0	93.3	93.7	94.1	94.3	95.1	95.4
1.9	68.9	75.4	80.1	85.4	86.4	89.2	91.0	91.6	93.2	93.7	94.2	95.3	95.7	97.[illegible]	99.0
1.9	68.9	75.4	80.1	85.4	86.4	89.2	91.0	91.6	93.2	93.7	94.2	95.4	95.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 809

LOCAL CLIMATOLOGY BRANCH
TAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA 73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-2000

4.[illegible]	13.3	14.[illegible]	14.2	15.1	15.1	15.2	15.6	15.6	15.6	15.8	15.9	16.5	16.5	16.5	16.5	16.5
[illegible].0	15.8	16.4	16.7	17.5	17.5	17.7	18.0	18.0	18.0	18.3	18.4	19.0	19.2	19.0	19.0	19.0
[illegible].4	16.5	17.2	17.4	18.3	18.3	18.4	18.8	18.8	18.8	19.0	19.1	19.8	19.8	19.8	19.8	19.8
[illegible].4	16.7	17.3	17.5	18.4	18.4	18.5	18.9	18.9	18.9	19.1	19.3	19.9	19.9	19.9	19.9	19.9
[illegible].6	17.2	18.[illegible]	18.3	19.1	19.1	19.3	19.6	19.6	19.6	19.9	20.0	20.6	20.6	20.6	20.6	20.6
[illegible].7	17.9	18.8	19.0	20.0	20.1	20.2	20.6	20.6	20.6	20.9	21.0	21.6	21.6	21.6	21.6	21.6
[illegible].0	20.0	20.9	21.1	22.2	22.5	22.6	23.0	23.0	23.0	23.2	23.3	24.0	24.0	24.0	24.0	24.0
[illegible].1	20.5	21.4	21.7	23.0	23.2	23.3	23.7	23.7	23.7	24.0	24.1	24.7	24.7	24.7	24.7	24.7
[illegible].7	22.2	23.3	23.7	25.2	25.4	25.6	25.9	25.9	25.9	26.2	26.3	26.9	26.9	26.9	26.9	26.9
[illegible].4	23.6	24.9	25.3	26.8	27.0	27.3	27.7	27.7	27.7	27.9	28.0	28.6	28.6	28.6	28.6	28.6
[illegible].6	25.7	26.9	27.3	29.8	29.0	29.3	29.6	29.6	29.6	29.9	30.0	30.6	30.6	30.6	30.6	30.6
[illegible].2	[illegible].1	31.5	32.1	34.0	34.2	34.4	34.8	34.8	34.8	35.1	35.2	35.8	35.8	35.8	35.8	35.8
[illegible].5	33.5	34.5	35.7	37.5	37.8	38.0	38.4	38.4	38.4	38.6	38.8	39.4	39.4	39.4	39.4	39.4
[illegible].2	41.4	43.7	44.3	46.5	46.8	47.0	47.4	47.4	47.4	47.7	47.8	48.4	48.4	48.4	48.4	48.4
[illegible].4	48.6	51.[illegible]	52.2	54.7	54.9	55.2	55.6	55.6	55.6	55.8	55.9	56.5	56.5	56.5	56.5	56.5
[illegible].5	52.7	55.6	57.0	60.2	60.5	60.7	61.1	61.1	61.2	61.5	61.6	62.2	62.2	62.2	62.2	62.2
[illegible].8	58.6	62.1	63.6	67.3	67.5	67.9	68.3	68.3	68.4	68.8	68.9	69.5	69.5	69.5	69.5	69.5
[illegible].0	63.2	67.2	68.8	72.8	73.1	74.0	74.3	74.3	74.4	74.8	74.9	75.6	75.6	75.6	75.6	75.7
[illegible].2	64.0	68.0	69.8	73.8	74.1	74.9	75.3	75.3	75.4	75.8	75.9	76.5	76.5	76.5	76.5	76.7
[illegible].0	66.5	71.0	73.1	77.3	77.5	78.5	79.0	79.0	79.1	79.5	79.6	80.2	80.2	80.2	80.2	80.4
[illegible]	67.9	72.7	74.9	79.4	79.6	80.6	81.1	81.1	81.2	81.6	81.7	82.3	82.3	82.3	82.3	82.5
[illegible].1	69.[illegible]	74.1	77.2	81.7	82.1	83.2	83.8	83.8	84.0	84.3	84.4	85.1	85.1	85.1	85.1	85.2
[illegible].1	69.4	74.4	77.7	82.2	82.6	83.8	84.4	84.4	84.6	84.9	85.1	85.7	85.7	85.7	85.7	85.8
[illegible].1	69.8	74.9	78.1	82.8	83.2	84.4	85.2	85.2	85.3	85.7	85.8	86.4	86.4	86.4	86.4	86.5
[illegible].1	69.9	75.1	78.3	83.0	83.5	84.7	85.4	85.4	85.6	85.9	86.0	86.7	86.7	86.7	86.7	86.8
[illegible].1	70.1	75.3	78.5	83.7	84.2	85.4	86.3	86.3	86.4	86.8	86.9	87.5	87.5	87.5	87.5	87.7
[illegible].1	70.5	75.9	79.1	84.4	84.9	86.2	87.0	87.0	87.3	87.7	87.9	88.5	88.5	88.6	88.6	88.8
[illegible].1	70.6	76.0	79.5	84.8	85.3	86.7	87.7	88.0	88.1	88.5	88.8	89.4	89.4	89.5	89.5	89.6
[illegible].1	70.9	76.4	79.9	85.6	86.0	87.5	88.9	89.4	89.8	90.1	90.4	91.2	91.2	91.5	91.5	91.6
[illegible].1	70.9	76.4	80.0	85.8	86.4	88.1	89.5	90.1	91.0	91.5	91.7	93.1	93.6	94.6	95.0	95.6
[illegible].1	70.9	76.[illegible]	80.1	85.9	86.5	88.3	89.6	90.2	91.1	91.6	91.9	93.5	94.[illegible]	95.7	99.0	99.0
[illegible].1	70.9	76.5	80.1	85.9	86.5	88.3	89.6	90.2	91.1	91.6	91.9	93.5	94.[illegible]	95.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC [illegible] A [illegible] ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA 73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1900-2200

14.3	17.5	18.[illegible]	18.1	18.5	18.5	18.8	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.4
15.8	19.3	19.9	19.9	20.2	20.2	20.6	20.9	20.9	21.0	21.1	21.1	21.1	21.1	21.2	21.5	
16.1	19.8	20.4	20.4	2[illegible].7	21.7	21.1	21.4	21.4	21.5	21.6	21.6	21.6	21.6	21.7	22.0	
16.4	2[illegible].4	21.1	21.1	21.5	21.5	21.9	22.1	22.1	22.2	22.3	22.3	22.3	22.3	22.5	22.7	
17.8	21.9	22.6	22.6	23.0	23.0	23.3	23.7	23.7	23.8	24.0	24.0	24.0	24.0	24.1	24.3	
18.8	23.2	24.1	24.1	24.6	24.7	25.2	25.6	25.6	25.7	25.8	25.8	25.8	25.8	25.9	26.2	
19.6	24.2	24.9	25.1	25.6	25.7	26.2	26.7	26.7	26.8	26.9	26.9	26.9	26.9	27.0	27.3	
20.2	24.9	25.7	25.8	26.3	26.4	26.9	27.4	27.4	27.5	27.7	27.7	27.7	27.7	27.8	28.2	
22.0	28.5	29.5	29.6	30.4	30.5	31.0	31.6	31.6	31.7	31.9	31.9	31.9	31.9	32.0	32.0	
23.1	31.0	32.0	32.3	33.2	33.3	33.8	34.4	34.4	34.6	34.7	34.7	34.7	34.7	34.8	35.1	
24.0	33.2	34.2	34.7	35.6	35.7	36.2	36.8	36.8	36.9	37.0	37.0	37.0	37.0	37.2	37.4	
25.2	36.4	38.0	38.5	39.5	39.6	40.1	40.9	40.9	41.0	41.1	41.1	41.1	41.1	41.2	41.5	
26.3	39.5	41.4	41.9	43.0	43.1	43.6	44.3	44.3	44.4	44.6	44.6	44.6	44.6	44.7	44.9	
27.4	47.0	49.3	49.9	51.1	51.2	51.7	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.8	53.1	
28.5	51.5	54.6	55.3	56.8	56.9	57.5	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.6	58.9	
29.1	55.9	59.8	60.6	62.6	62.7	63.7	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.8	65.1	
29.8	60.5	65.1	66.2	68.5	68.8	70.[illegible]	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.4	71.6	
[illegible].4	64.1	69.4	70.6	73.0	73.7	75.2	76.4	76.4	76.5	76.7	76.7	76.7	76.7	76.8	77.0	
[illegible].5	64.7	70.0	71.5	74.2	74.9	76.4	77.7	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.3	
30.[illegible]	66.8	72.5	74.2	77.3	78.0	80.1	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.7	82.0	
30.[illegible]	68.0	73.8	75.9	79.3	8[illegible].0	82.1	83.3	83.3	83.5	83.6	83.6	83.6	83.6	83.7	84.0	
30.6	68.6	74.6	77.3	81.0	82.1	84.2	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.8	86.0	
30.[illegible]	69.1	75.4	77.9	81.6	82.7	84.8	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.4	86.7	
30.6	69.3	75.6	78.1	82.0	83.1	85.2	86.4	86.4	86.5	86.7	86.7	86.7	86.7	86.9	87.0	
30.6	69.5	75.8	78.4	82.5	83.6	85.7	86.9	86.9	87.0	87.4	87.4	87.4	87.4	87.5	87.8	
30.6	70.0	76.3	78.9	83.1	84.2	86.5	87.8	87.8	87.9	88.3	88.3	88.3	88.3	88.4	88.6	
30.6	70.0	76.4	79.0	83.6	84.8	87.2	88.6	88.8	88.9	89.3	89.3	89.3	89.3	89.4	89.6	
30.6	70.0	76.7	79.3	84.0	85.4	87.8	89.5	89.9	90.0	90.5	90.5	90.5	90.5	90.6	90.9	
30.6	70.1	76.9	79.8	84.6	86.0	88.9	90.9	91.5	91.7	92.5	92.5	93.1	93.2	93.6	93.8	
30.6	70.1	76.9	79.8	84.6	86.0	89.0	91.2	92.0	92.3	93.5	93.5	94.3	94.4	95.2	96.7	
30.6	70.1	76.9	79.8	84.6	86.0	89.0	91.2	92.1	92.5	93.6	93.6	94.4	94.7	96.[illegible]	99.8	
30.6	70.1	76.9	79.8	84.6	86.0	89.0	91.2	92.1	92.5	93.6	93.6	94.4	94.7	96.[illegible]	100.0	

TOTAL NUMBER OF OBSERVATIONS 812

USAFETA [illegible] ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
TDTAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

[illegible] AAF/FT LEWIS WA 73-81 [illegible] 350

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12.0-24.0

19.1	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
17.1	21.0	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3
17.3	21.7	21.7	21.7	21.8	21.8	21.9	21.8	21.9	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9
17.7	22.0	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3
18.3	23.1	23.1	23.1	23.4	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
19.4	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.8	24.8	24.8	24.8	24.8	24.8	24.8
19.8	25.4	25.5	25.6	25.9	25.9	25.9	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0
20.3	26.2	26.4	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9
22.5	30.4	30.6	30.8	31.2	31.2	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3
23.6	32.4	32.9	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8
24.4	34.5	35.0	35.3	35.8	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9
26.5	39.1	39.7	40.2	41.0	41.2	41.2	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5
27.2	41.5	42.3	42.8	43.6	43.6	43.8	43.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
31.8	49.6	50.7	51.6	52.5	52.7	52.7	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0
32.9	55.9	57.7	58.7	59.7	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
34.5	61.8	63.6	65.2	66.5	66.7	66.7	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0
34.9	66.2	69.3	71.5	73.1	73.6	73.9	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
35.5	69.3	72.5	75.0	77.1	77.7	78.0	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
35.8	69.7	73.0	75.5	77.6	78.3	78.7	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
36.0	71.7	75.5	78.1	80.4	81.3	81.9	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
36.3	73.4	77.2	80.1	82.5	83.4	84.0	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
36.4	74.6	78.8	81.8	84.9	85.9	87.0	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
36.4	75.1	79.2	82.2	85.4	86.4	87.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
36.4	75.2	79.8	82.8	86.0	87.0	88.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
36.4	75.5	80.1	83.5	86.8	87.7	89.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
36.4	75.9	81.4	83.9	87.5	88.5	90.0	91.2	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5
36.4	76.1	81.7	84.2	87.7	88.7	90.3	91.6	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
36.4	76.2	80.9	84.3	88.0	89.0	90.8	92.5	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
36.4	76.2	80.9	84.4	88.1	89.1	91.6	93.4	94.8	95.2	95.5	95.5	95.8	95.9	96.3	96.3	96.3
36.4	76.2	80.9	84.5	88.2	89.2	91.7	93.7	95.2	95.5	96.2	96.2	96.8	97.3	97.9	98.4	98.4
36.4	76.2	80.9	84.5	88.2	89.2	91.7	93.7	95.2	95.5	96.2	96.2	96.8	97.6	98.4	99.9	99.9
36.4	76.2	80.9	84.5	88.2	89.2	91.7	93.7	95.2	95.5	96.2	96.2	96.8	97.6	98.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS WA 73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

15.9	20.0	20.2	20.3	20.4	20.5	20.7	20.7	20.7	20.8	20.8	20.8	20.9	21.0	21.0	21.2
17.1	22.7	22.8	22.9	23.0	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.5	23.7	23.7	23.8
17.3	22.9	23.1	23.2	23.3	23.4	23.5	23.5	23.5	23.7	23.7	23.7	23.8	23.9	23.9	24.0
17.6	23.2	23.3	23.4	23.5	23.7	23.8	23.8	23.8	23.9	23.9	23.9	24.0	24.2	24.2	24.3
19.2	25.8	25.9	26.0	26.2	26.3	26.4	26.4	26.4	26.5	26.5	26.5	26.7	26.8	26.8	26.9
20.3	27.6	27.8	27.9	28.0	28.1	28.3	28.3	28.3	28.4	28.4	28.4	28.5	28.6	28.6	28.8
22.2	29.9	30.0	30.1	30.3	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.8	30.9	30.9	31.0
22.4	30.3	30.4	30.5	30.6	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.3	31.4	31.4	31.5
24.0	34.0	34.2	34.5	34.6	34.7	34.9	35.0	35.0	35.1	35.1	35.1	35.2	35.4	35.4	35.5
24.5	35.4	35.9	36.1	36.2	36.4	36.5	36.6	36.6	36.7	36.7	36.7	36.9	37.0	37.0	37.1
24.5	36.5	37.0	37.4	37.5	37.6	37.7	37.9	37.9	38.0	38.0	38.0	38.1	38.2	38.2	38.4
26.0	41.8	42.5	43.0	43.2	43.3	43.5	43.6	43.6	43.7	43.7	43.7	43.8	44.0	44.0	44.1
27.7	44.2	45.5	46.0	46.3	46.5	46.7	46.9	46.9	47.1	47.1	47.1	47.2	47.3	47.3	47.4
29.3	51.9	52.3	52.9	53.5	53.8	54.0	54.5	54.5	54.7	54.7	54.7	54.8	54.9	54.9	55.0
30.4	56.8	58.0	59.7	60.5	60.8	61.1	61.9	61.9	62.0	62.0	62.0	62.1	62.3	62.3	62.4
31.9	62.8	64.5	66.4	67.5	67.7	68.2	69.0	69.0	69.1	69.1	69.1	69.2	69.4	69.4	69.5
32.9	67.2	70.2	72.6	74.0	74.3	75.0	75.8	75.8	76.0	76.0	76.0	76.1	76.2	76.2	76.3
32.9	69.6	73.2	75.8	77.5	78.1	79.0	80.3	80.3	80.6	80.7	80.7	80.8	80.9	80.9	81.1
32.9	70.2	73.8	76.5	78.1	78.8	79.7	81.1	81.1	81.3	81.4	81.4	81.6	81.7	81.7	81.8
32.9	72.6	76.3	79.2	81.7	82.6	83.4	85.1	85.1	85.3	85.4	85.4	85.6	85.7	85.7	85.8
33.0	73.2	77.5	80.6	83.3	84.2	85.3	86.9	86.9	87.2	87.3	87.3	87.4	87.5	87.5	87.7
33.3	74.1	78.7	82.1	84.8	85.7	87.0	88.8	88.8	89.0	89.2	89.2	89.3	89.4	89.4	89.5
33.3	74.2	79.1	82.4	85.2	86.1	87.7	89.7	89.7	89.9	90.0	90.0	90.2	90.3	90.3	90.4
33.3	74.3	79.3	82.8	85.7	86.6	88.2	90.2	90.2	90.4	90.5	90.5	90.7	90.8	90.8	90.9
33.3	74.5	79.7	83.2	86.3	87.2	89.0	91.0	91.0	91.3	91.4	91.4	91.5	91.7	91.7	91.8
33.3	74.5	79.7	83.3	86.4	87.4	89.8	91.8	92.0	92.3	92.5	92.5	92.7	92.8	92.8	92.9
33.3	74.5	80.0	83.6	86.8	87.8	90.2	92.3	92.5	92.8	93.0	93.0	93.2	93.3	93.3	93.4
33.3	74.5	80.1	83.6	86.8	87.8	90.4	93.4	93.9	94.3	94.9	94.9	95.0	95.1	95.4	95.5
33.3	74.5	80.0	83.6	86.8	87.8	90.7	93.9	94.4	95.3	95.9	95.9	96.3	96.5	96.8	97.0
33.3	74.5	80.0	83.6	86.8	87.8	90.7	94.0	94.5	95.4	96.0	96.1	96.6	97.0	97.5	98.5
33.3	74.5	80.0	83.6	86.8	87.8	90.7	94.0	94.5	95.4	96.1	96.3	96.9	97.3	98.1	99.9
33.3	74.5	80.0	83.6	86.8	87.8	90.7	94.0	94.5	95.4	96.1	96.3	96.9	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 603

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] AY AFB/FT LEAVENWORTH KS 73-81 [illegible] DEC

PERCENTAGE FREQUENCY OF OCCURRENCE 00-2100
[illegible] HOURLY OBSERVATIONS

4.5	19.7	2[illegible].1	21.0	22.1	22.2	22.5	22.7	23.[illegible]	23.6	24.1	24.1	24.6	24.7	25.[illegible]	25.[illegible]
4.7	22.1	22.5	23.5	24.6	24.7	25.1	25.2	25.5	26.1	26.5	26.7	27.2	27.3	27.6	28.2
4.7	22.1	22.6	23.6	24.7	24.8	25.2	25.3	25.6	26.2	26.7	26.8	27.3	27.5	27.7	28.3
4.7	22.1	22.6	23.6	24.7	24.8	25.2	25.3	25.6	26.2	26.7	26.8	27.3	27.5	27.7	28.3
4.7	23.3	23.[illegible]	24.8	26.1	26.2	26.5	26.7	27.0	27.6	28.1	28.2	28.7	28.8	29.1	29.7
[illegible]	24.2	24.7	25.7	27.0	27.1	27.5	27.6	27.8	28.5	29.2	29.1	29.6	29.7	30.0	30.6
[illegible].5	26.3	26.8	28.0	29.2	29.3	29.7	29.8	30.1	30.7	31.2	31.3	31.8	32.0	32.2	32.8
5.7	27.5	29.[illegible]	29.3	30.6	30.7	31.2	31.3	31.6	32.2	32.8	33.0	33.6	33.7	34.2	34.[illegible]
5.7	[illegible].5	31.1	32.6	33.8	34.[illegible]	34.5	34.6	34.8	35.5	36.1	36.2	36.8	37.0	37.2	37.8
5.9	32.3	33.[illegible]	34.6	35.8	36.0	36.5	36.6	36.8	37.5	38.1	38.2	38.8	39.0	39.2	39.8
5.9	33.2	34.0	35.6	36.8	37.[illegible]	37.5	37.6	37.8	38.5	39.1	39.2	39.8	40.0	40.2	40.8
6.2	36.6	38.3	40.1	41.3	41.4	41.9	42.1	42.3	42.9	43.6	43.7	44.3	44.4	44.7	45.[illegible]
6.3	40.6	42.2	44.1	45.4	45.6	46.1	46.2	46.4	47.1	47.7	47.8	48.4	48.6	48.8	49.4
6.4	47.8	49.6	51.4	53.1	53.3	53.9	54.1	54.3	55.1	55.7	55.8	56.4	56.6	56.9	57.4
7.1	52.6	54.7	56.8	58.9	59.2	59.8	59.9	60.[illegible]	61.0	61.7	61.8	62.4	62.5	62.8	63.4
7.2	57.8	6[illegible].[illegible]	62.4	64.5	64.8	65.4	65.5	65.9	66.7	67.3	67.4	68.2	68.2	68.4	69.3
7.2	62.2	66.[illegible]	69.0	71.4	72.0	72.7	72.9	73.3	74.0	74.7	74.8	75.4	75.5	75.8	76.4
7.2	66.4	71.4	75.3	77.9	78.8	79.4	79.7	80.0	80.6	81.4	81.5	82.1	82.3	82.5	83.1
7.2	66.7	71.8	75.7	79.3	79.3	79.9	80.1	80.5	81.3	81.9	82.0	82.6	82.8	83.0	83.6
7.2	69.[illegible]	74.5	78.7	81.8	82.8	83.4	83.8	84.3	85.1	85.8	85.9	86.5	86.6	86.9	87.5
7.2	69.5	75.2	79.3	82.5	83.6	84.5	84.9	85.4	86.3	86.9	87.[illegible]	87.6	87.8	88.0	88.6
7.2	70.2	76.0	80.3	83.6	84.8	85.9	86.3	86.8	87.8	88.4	88.5	89.1	89.3	89.5	90.1
7.2	70.4	76.5	80.9	84.3	85.4	86.5	86.9	87.4	88.4	89.0	89.1	89.8	89.9	90.1	90.8
7.2	70.8	77.0	81.5	85.1	86.3	87.4	87.8	88.3	89.4	90.1	90.3	91.0	91.2	91.3	91.9
7.2	71.0	77.3	81.8	85.4	86.5	87.6	88.0	88.5	89.6	90.4	90.5	91.1	91.2	91.5	92.1
7.2	71.3	77.5	82.0	85.6	86.8	88.3	89.1	89.8	90.9	91.8	91.9	92.5	92.6	92.9	93.5
7.2	71.5	77.8	82.3	85.9	87.0	88.5	89.4	90.0	91.3	92.3	92.4	93.0	93.1	93.4	94.0
7.2	71.5	77.8	82.3	86.1	87.5	89.1	90.0	90.6	92.0	93.3	93.4	94.0	94.1	94.4	95.0
7.2	71.5	77.8	82.3	86.1	87.5	89.4	90.4	91.0	92.4	93.6	93.8	94.5	94.6	95.0	95.6
7.2	71.5	77.8	82.3	86.1	87.5	89.4	90.5	91.1	92.5	93.8	93.9	94.9	95.0	95.8	96.9
7.2	71.5	77.8	82.3	86.1	87.5	89.4	90.5	91.1	92.6	93.9	94.[illegible]	95.0	95.6	96.8	99.0
7.2	71.5	77.8	82.3	86.1	87.5	89.4	90.5	91.1	92.6	93.9	94.[illegible]	95.0	95.6	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 601

USAF [illegible]

2

CEILING VERSUS VISIBILITY

AY AAF/FT LEWIS WA 73-61 062

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1.0	21.0	23.0	27.1	27.8	24.0	24.7	25.3	25.3	25.7	25.8	26.0	26.0	26.0	26.0	26.0	27.
1.0	22.1	24.1	24.3	25.3	25.5	26.3	27.0	27.0	27.3	27.6	27.8	28.0	28.2	28.8	29.	
1.0	22.1	24.2	24.5	25.5	25.6	26.5	27.1	27.1	27.5	27.7	28.0	28.1	28.3	29.0	29.1	
1.0	22.2	24.3	24.6	25.6	25.7	26.6	27.2	27.2	27.6	27.8	28.1	28.2	28.5	29.1	29.2	
1.0	23.2	25.6	26.0	27.0	27.1	28.0	28.6	28.6	29.0	29.2	29.5	29.6	29.8	30.0	30.6	
1.0	23.8	26.2	26.6	27.6	27.7	28.7	29.3	29.3	29.7	30.0	30.2	30.5	30.7	31.0	31.5	
1.0	26.1	28.5	28.8	29.8	30.0	31.0	31.5	31.6	32.0	32.2	32.5	32.7	33.0	33.6	33.7	
1.0	26.7	29.2	29.6	30.6	30.7	31.	32.1	32.3	32.8	33.1	33.3	33.7	34.0	34.6	34.7	
1.0	29.2	31.7	32.3	33.3	33.5	34.5	[illegible]	35.1	35.6	35.8	36.1	36.5	36.7	37.7	37.5	
2.1	30.8	33.3	34.0	35.0	35.1	36.1	[illegible]	36.7	37.3	37.6	37.8	38.2	38.5	39.1	39.2	
2.6	32.1	34.7	35.3	36.3	36.5	37.5	38.1	38.1	38.7	39.0	39.2	39.6	39.8	40.4	40.6	
2.6	35.7	38.5	39.2	40.2	40.3	41.3	42.1	42.1	42.8	43.1	43.3	43.7	43.9	44.6	44.7	
2.6	37.5	42.8	43.7	44.7	44.8	45.8	46.6	46.6	47.3	47.6	47.8	48.2	48.4	49.1	49.2	
7.1	46.4	51.2	51.4	52.8	52.9	54.1	54.8	54.8	55.6	55.8	56.1	56.4	56.7	57.3	57.4	
7.4	51.3	55.2	56.4	58.3	58.6	59.8	60.5	60.5	61.3	61.5	61.8	62.2	62.4	63.0	63.2	
3.4	55.2	60.4	61.8	63.9	64.2	65.4	66.2	66.2	67.0	67.3	67.5	67.9	68.2	68.8	66.9	
3.4	61.0	66.2	67.9	70.2	70.4	71.7	72.5	72.5	73.4	73.7	73.9	74.3	74.5	75.2	75.3	
3.4	69.2	70.5	72.7	75.7	75.9	77.2	78.3	78.3	79.2	79.4	79.7	80.0	80.3	80.9	81.0	
3.5	65.8	71.4	73.5	76.9	77.2	78.4	79.5	79.5	80.4	80.6	80.9	81.3	81.5	82.1	82.3	
3.5	67.3	73.4	75.9	79.7	80.1	81.5	83.0	83.1	84.1	84.4	84.6	85.0	85.3	85.9	86.0	
3.5	67.3	74.5	77.0	80.9	81.4	82.8	84.3	84.4	85.3	85.6	85.9	86.3	86.5	87.1	87.3	
3.5	67.7	76.3	79.0	82.9	83.4	84.9	86.3	86.4	87.3	87.6	87.9	88.3	88.5	89.1	89.3	
3.5	69.7	76.4	79.2	83.1	83.6	85.0	86.5	86.6	87.6	88.0	88.3	88.6	88.9	89.5	89.6	
3.5	70.0	76.9	79.7	83.8	84.3	85.6	87.1	87.3	88.3	88.6	88.9	89.3	89.5	90.1	90.3	
3.5	70.2	77.1	79.8	83.9	84.4	85.9	87.5	87.6	88.6	89.0	89.3	89.8	90.0	90.6	90.8	
3.5	70.3	77.2	80.0	84.3	84.8	86.3	88.0	88.1	89.1	89.5	89.8	90.3	90.5	91.1	91.3	
3.5	70.4	77.3	80.5	85.1	85.6	87.1	88.9	89.0	90.1	90.5	90.8	91.3	91.5	92.1	92.3	
3.5	70.4	77.3	80.6	85.3	85.8	87.4	89.3	89.5	90.8	91.1	91.4	91.9	92.1	92.8	92.9	
3.5	70.4	77.3	80.6	85.3	85.8	87.6	89.5	89.8	91.0	91.5	91.8	92.4	92.6	93.3	93.4	
3.5	70.4	77.3	80.6	85.3	85.8	88.0	90.1	90.9	92.3	93.0	93.3	94.3	94.6	95.5	95.9	
3.5	70.4	77.3	80.6	85.3	85.8	88.0	90.1	91.0	92.4	93.1	93.4	94.5	95.6	96.9	99.1	
3.5	70.4	77.3	80.6	85.3	85.8	88.0	90.1	91.0	92.4	93.1	93.4	94.5	95.6	96.91	100.0	

TOTAL NUMBER OF OBSERVATIONS 821

USAF [illegible]

1 [illegible] CLIMATOLOGY BRANCH
[illegible]
2 [illegible] SERVICE [illegible]

CEILING VERSUS VISIBILITY

[illegible] AY AARFST LEWIS [illegible] 70-81 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]	16.3	19.1	19.5	20.3	20.4	20.7	21.[illegible]	21.[illegible]	21.3	21.5	21.6	21.8	22.[illegible]	22.[illegible]	[illegible]	[illegible]	[illegible]
7.9	20.3	21.2	21.7	22.4	22.5	22.9	23.2	23.3	23.5	23.7	23.8	24.1	24.2	24.3	24.[illegible]	[illegible]	[illegible]
[illegible]	20.[illegible]	21.5	22.0	22.7	22.8	23.0	23.6	23.4	23.8	24.[illegible]	24.1	24.4	24.4	24.[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	21.7	22.2	22.9	23.1	23.4	23.7	23.9	24.0	24.2	24.4	24.6	24.7	24.9	[illegible]	[illegible]	[illegible]
[illegible]	22.[illegible]	22.9	23.4	24.3	24.4	24.8	25.3	25.1	25.4	25.6	25.7	26.0	26.[illegible]	26.2	26.4	[illegible]	[illegible]
[illegible]	22.9	23.[illegible]	24.4	25.3	25.4	25.9	26.1	26.2	26.4	26.7	26.8	27.2	27.1	27.2	27.4	[illegible]	[illegible]
9.6	24.9	25.7	26.5	27.4	27.6	28.[illegible]	28.2	28.7	28.6	28.[illegible]	29.9	29.2	29.3	29.4	[illegible]	[illegible]	[illegible]
[illegible]	25.6	26.7	27.3	28.2	28.4	28.8	29.1	29.2	29.4	29.7	29.8	30.1	30.2	30.3	[illegible]	[illegible]	[illegible]
10.[illegible]	28.4	29.[illegible]	30.3	31.3	31.5	31.9	32.2	32.3	32.6	32.8	33.[illegible]	33.2	33.3	33.4	[illegible]	[illegible]	[illegible]
1[illegible]	30.1	31.4	32.2	33.3	33.4	33.9	34.2	34.3	34.6	34.8	34.9	35.2	35.3	35.4	[illegible]	[illegible]	[illegible]
11.3	31.7	33.[illegible]	33.8	34.9	35.0	35.5	35.8	35.9	36.1	36.4	36.5	36.8	36.9	37.0	[illegible]	[illegible]	[illegible]
1[illegible]	35.6	37.2	38.2	39.4	39.6	40.2	40.4	40.5	41.3	41.1	41.2	41.5	41.5	41.7	41.7	[illegible]	[illegible]
12.4	39.9	40.8	41.9	43.1	43.3	43.8	44.2	44.3	44.6	44.8	45.[illegible]	45.2	45.3	45.4	45.7	[illegible]	[illegible]
13.[illegible]	46.3	48.5	49.7	51.3	51.5	52.1	52.6	52.6	53.0	53.0	53.2	53.6	53.7	53.9	54.0	[illegible]	[illegible]
14.0	52.1	54.7	56.2	58.0	58.4	59.0	59.5	59.6	59.9	60.2	60.3	60.6	61.[illegible]	60.8	61.[illegible]	[illegible]	[illegible]
15.[illegible]	57.1	60.1	61.9	64.1	64.5	65.2	65.7	65.9	66.2	66.5	66.6	66.9	66.9	67.1	67.3	[illegible]	[illegible]
16.[illegible]	61.9	65.8	67.9	70.5	70.9	71.7	72.3	72.8	72.9	73.1	73.7	73.6	73.[illegible]	73.8	74.0	[illegible]	[illegible]
17.2	65.4	69.7	70.2	75.2	75.8	76.7	77.6	77.7	78.1	78.4	78.5	78.8	78.9	79.0	79.2	[illegible]	[illegible]
18.3	66.1	71.8	73.1	76.2	76.8	77.8	78.6	78.8	79.2	79.5	79.6	79.9	79.9	80.1	[illegible]	[illegible]	[illegible]
17.3	68.1	73.1	75.9	79.3	80.0	81.2	82.1	82.3	82.7	83.0	83.2	83.4	83.5	83.6	83.9	[illegible]	[illegible]
18.4	69.2	74.4	77.4	81.0	81.7	82.9	83.9	84.0	84.4	84.8	84.9	85.2	85.0	85.4	85.6	[illegible]	[illegible]
18.4	70.1	75.6	79.0	82.9	83.7	85.1	86.1	86.2	86.7	87.0	87.1	87.4	87.5	87.6	87.9	[illegible]	[illegible]
18.4	70.5	76.1	79.4	83.4	84.2	85.6	86.7	86.8	87.3	87.6	87.8	88.0	88.1	88.2	88.5	[illegible]	[illegible]
18.4	70.7	76.4	79.9	84.0	84.7	86.2	87.3	87.5	87.9	88.3	88.4	88.7	88.8	88.9	89.1	[illegible]	[illegible]
18.4	70.9	76.7	80.2	84.4	85.1	86.7	87.8	88.[illegible]	88.5	88.8	89.0	89.3	89.3	89.5	89.7	[illegible]	[illegible]
18.4	71.1	76.9	80.5	84.9	85.7	87.6	88.8	89.0	89.5	89.9	90.0	90.3	90.4	90.5	90.8	[illegible]	[illegible]
18.4	71.2	77.1	80.9	85.4	86.3	88.2	89.4	89.7	90.2	90.7	90.8	91.1	91.2	91.7	91.6	[illegible]	[illegible]
18.4	71.3	77.2	81.0	85.6	86.5	88.6	90.1	90.5	91.1	91.7	91.9	92.1	92.2	92.4	92.6	[illegible]	[illegible]
18.4	71.3	77.7	81.1	85.9	86.8	89.1	90.8	91.4	92.2	92.9	93.1	93.6	93.7	94.0	94.2	[illegible]	[illegible]
18.4	71.3	77.3	81.2	85.9	86.9	89.3	91.2	92.0	92.9	93.8	93.9	94.7	95.0	95.7	96.6	[illegible]	[illegible]
18.4	71.3	77.7	81.2	86.0	86.9	89.3	91.3	92.1	93.1	93.9	94.1	95.1	95.7	96.9	99.7	[illegible]	[illegible]
18.4	71.3	77.3	81.2	86.0	86.9	89.3	91.3	92.1	93.1	93.9	94.1	95.2	95.7	97.0	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 2454

[illegible]

2

CEILING VERSUS VISIBILITY

[illegible]	33.6	34.3	34.6	35.1	35.2	35.4	35.6	35.6	35.8	35.9	35.9	36.1	36.1	36.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	37.2	37.2	38.4	37.9	39.2	39.2	39.4	39.5	39.6	39.8	39.8	39.9	40.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	37.6	38.3	38.8	39.2	39.4	39.6	39.8	39.[illegible]	[illegible]	40.1	40.1	40.3	40.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	37.9	38.[illegible]	39.1	39.6	39.7	39.9	40.1	40.2	40.3	40.4	40.5	40.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	38.1	38.[illegible]	40.3	40.9	41.0	41.2	41.4	41.5	41.6	41.[illegible]	41.8	41.9	42.[illegible]	42.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.4	41.9	42.4	42.6	42.8	42.9	43.[illegible]	43.2	43.7	43.8	43.5	43.[illegible]	43.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	43.4	43.9	44.5	44.6	44.8	45.0	45.1	45.3	45.4	45.4	45.6	45.6	45.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	43.4	44.2	44.7	45.3	45.4	45.6	45.8	45.9	46.1	46.2	46.2	46.4	46.4	46.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	46.[illegible]	47.3	48.0	48.1	48.3	48.5	48.6	48.8	48.9	48.9	49.1	49.1	49.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	47.[illegible]	48.3	49.4	50.0	50.1	50.4	50.6	50.7	50.9	51.0	51.1	51.2	51.3	51.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	51.1	51.8	51.9	52.2	52.4	52.5	52.6	52.8	52.8	52.9	53.[illegible]	53.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	53.[illegible]	54.[illegible]	55.4	56.1	56.3	56.5	56.8	56.9	57.[illegible]	57.2	57.2	57.4	57.4	57.6	57.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	56.7	57.2	58.6	59.3	59.4	59.7	59.9	60.[illegible]	60.2	60.4	60.4	60.5	60.[illegible]	60.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	62.[illegible]	63.2	64.7	65.6	65.7	66.2	66.3	66.4	66.6	66.7	66.7	66.9	67.[illegible]	67.1	67.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	69.5	70.4	71.4	71.5	71.9	72.2	72.3	72.5	72.6	72.7	72.8	72.9	73.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	73.4	74.2	75.2	76.3	76.5	76.9	77.2	77.3	77.5	77.7	77.7	77.9	77.9	78.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	78.[illegible]	78.9	[illegible]	81.3	81.9	82.[illegible]	82.3	82.5	82.7	82.8	82.9	83.1	83.1	83.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	85.9	86.7	87.6	88.0	88.3	85.8	86.2	86.4	86.6	86.8	86.8	87.0	87.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	87.[illegible]	88.3	88.8	88.[illegible]	86.6	87.[illegible]	87.1	87.4	87.6	87.6	87.7	87.8	88.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	88.3	88.7	88.4	89.9	88.2	88.9	89.3	89.4	89.7	89.7	89.9	90.1	90.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	88.3	88.3	88.[illegible]	89.6	89.3	89.6	90.3	90.7	90.9	91.1	91.2	91.3	91.5	91.6	91.7	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	88.9	89.6	89.8	90.2	90.5	91.2	91.7	91.9	92.2	92.4	92.4	92.6	92.6	92.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.2	87.[illegible]	88.6	90.6	91.0	91.7	92.2	92.4	92.7	92.9	92.9	93.1	93.1	93.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.4	87.[illegible]	88.1	91.0	91.4	92.1	92.6	92.9	93.2	93.4	93.4	93.6	93.6	93.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.5	87.6	88.4	91.3	91.7	92.5	93.1	93.7	93.6	93.8	93.8	94.0	94.1	94.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.7	87.[illegible]	89.3	91.7	92.1	93.1	93.6	93.9	94.2	94.4	94.5	94.7	94.7	94.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.8	88.[illegible]	89.9	92.0	92.5	93.5	94.2	94.5	94.[illegible]	95.1	95.1	95.3	95.4	95.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.9	88.1	[illegible]	92.3	92.8	93.9	94.7	95.1	95.5	95.8	95.9	96.1	96.2	96.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.9	88.1	[illegible]	92.4	92.9	94.2	95.1	95.5	96.1	96.5	96.5	96.8	97.2	97.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.9	88.1	90.2	92.5	93.[illegible]	94.3	95.3	95.8	96.4	96.9	97.[illegible]	97.5	97.7	98.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.9	88.1	90.2	92.5	93.0	94.3	95.3	95.8	96.5	97.[illegible]	97.1	97.6	97.9	98.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	89.9	88.1	90.2	92.5	93.0	94.3	95.3	95.8	96.5	97.[illegible]	97.1	97.7	97.9	98.61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 7[illegible]

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

STATION | STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL
		0	1	2	3	4	5	6	7	8	9	10		
	[illegible]	14.4			[illegible]						1[illegible].4	[illegible]	[illegible]	
	[illegible]	[illegible].4			[illegible]						15.5	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						1[illegible].1	[illegible]	[illegible]	
	[illegible]11	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]14	4.7			[illegible]						[illegible].4	[illegible]	[illegible]	
	[illegible]	4.			[illegible]						[illegible].6	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]27	11.[illegible]			1[illegible].7						[illegible]	[illegible]	[illegible]	
TOTALS		[illegible]			[illegible]						1[illegible].4	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	0	1	2	3	4	5	6	7	8	9	10	MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			11.4						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]			[illegible]						24.5	57.6	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

SKY COVER

[illegible] 7 — [illegible] AAF/FT LEWIS [illegible] — [illegible]-21 — [illegible]
STATION — STATION NAME — [illegible] — [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN [illegible]	TOTAL [illegible]
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	1[illegible].3			1[illegible].6						[illegible].9	[illegible]9.1	[illegible]	[illegible]
	[illegible]	1[illegible].9			[illegible]						[illegible].1	[illegible]4.1	[illegible]	[illegible]
	[illegible]	[illegible].1			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-11	1.[illegible]			1[illegible].[illegible]						[illegible].4	[illegible]7.[illegible]	[illegible].4	[illegible]
	1[illegible]-1[illegible]	[illegible]			[illegible].6						[illegible].7	[illegible]4.	[illegible].4	[illegible]
	[illegible]-17	1.[illegible]			[illegible].						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible].			[illegible].[illegible]						[illegible].2	44.	[illegible]	[illegible]
	21-23	.7			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible].4			1[illegible].4						2[illegible].7	47.6	[illegible].9	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

STATION | STATION NAME | PERIOD | YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NUMBER OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	[illegible]			[illegible]						21.4	[illegible]	[illegible]	[illegible]
	[illegible]	11.[illegible]			[illegible]						[illegible]	46.[illegible]	7.1	[illegible]
	[illegible]	[illegible].1			[illegible].9						72.7	45.3	[illegible]	[illegible]
	-11	[illegible]			[illegible].1						34.7	44.5	[illegible]	[illegible]
	[illegible] -14	[illegible]			[illegible]						[illegible].6	[illegible]1.4	[illegible]	[illegible]
	[illegible] -17	[illegible]			[illegible].6						[illegible]	[illegible].4	7.9	61
	[illegible] -2[illegible]	[illegible]			[illegible]						[illegible].1	[illegible]	7.[illegible]	[illegible]
	[illegible]-23	15.[illegible]			[illegible]						23.2	37.4	[illegible]	[illegible]
TOTALS		[illegible]			[illegible]						[illegible]	[illegible]1.4	[illegible]	[illegible]475

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE/MAC

SKY COVER

[illegible] AY AFB/FT LEWIS WA [illegible] MAY

STATION | STATION NAME | [illegible] | [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS	TOTAL NO. OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-11	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-14	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-21	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-23	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]			[illegible]						[illegible]	36.6	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] AL CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE /MAC

SKY COVER

[illegible] SAN BATZET LENTU [illegible] | [illegible] | [illegible]
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	TOTAL
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	0-02	21.6			[illegible]						[illegible]	34.7	[illegible]	[illegible]
	[illegible]	6.3			27.3						27.2	39.2	7.2	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	47.6	7.5	[illegible]
	[illegible]-11	3.7			[illegible]						26.7	39.2	7.2	[illegible]
	1[illegible]-14	3.7			22.7						[illegible]	32.1	7.7	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	7.7	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	25.7	7.[illegible]	[illegible]
	[illegible]-23	11.5			34.5						27.2	[illegible]	5.2	[illegible]
TOTALS		[illegible]			24.4						32.5	23.5	7.1	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

[illegible] DAY AAF/FT LEWIS WA — [illegible]-81 — JUL

STATION — STATION NAME — PERIOD — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS	TOTAL HOURS OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	[illegible]-02	3[illegible].1			[illegible].9						1[illegible].2	[illegible].[illegible]	[illegible].[illegible]	[illegible]34
	[illegible]-05	2[illegible].1			27.9						[illegible].8	21.1	[illegible].[illegible]	[illegible]
	[illegible]-08	13.9			[illegible].9						2[illegible].4	[illegible].8	[illegible].[illegible]	[illegible]7
	[illegible]-11	[illegible].9			[illegible].1						[illegible].7	35.	[illegible].7	[illegible]
	1[illegible]-14	14.7			[illegible].7						[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible]
	[illegible]-17	17.9			[illegible].1						3[illegible].2	17.8	[illegible].[illegible]	[illegible]
	[illegible]-20	1[illegible].[illegible]			3[illegible].7						[illegible].[illegible]	16.4	[illegible].[illegible]	[illegible]
	[illegible]-23	[illegible].[illegible]			[illegible].4						[illegible].7	13.4	[illegible].9	[illegible]
TOTALS		[illegible].9			[illegible].7						27.1	[illegible].[illegible]	[illegible].8	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
A[illegible] WEATHER SERVICE/MAC

SKY COVER

[illegible] AY [illegible] LE[illegible] AB [illegible]
STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	
		0	1	2	3	4	5	6	7	8	9	10		
	[illegible]	33.3			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-11	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-17	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-2[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-23	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]			[illegible]						22.4	32.[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] SERVICE/MAC

SKY COVER

[illegible] RAY AFB/FT LEWIS WA — [illegible]-81

STATION — STATION NAME — PERIOD — [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN	[illegible]
		0	1	2	3	4	5	6	7	8	9			
[illegible]	[illegible]-02	31.6			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-05	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-08	[illegible]			27.4						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-11	13.2			22.6						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-14	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-17	17.2			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-20	21.7			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-23	[illegible]			27.8						[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]			27.3						75.8	19.9	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible]

SKY COVER

[illegible] AY AAF/FT LEWIS WA — 77-81

STATION — STATION NAME — PERIOD — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											[illegible]	[illegible]
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	23.[illegible]			[illegible].4						[illegible].4	3[illegible]	[illegible]	[illegible]
	[illegible]	1[illegible]			[illegible]						2[illegible]	[illegible]5.[illegible]	7.1	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible].7	[illegible]	[illegible].3	[illegible]
	[illegible]	[illegible].4			[illegible]						[illegible].2	47.5	[illegible]	[illegible]
	[illegible]	6.7			23.[illegible]						21.4	[illegible].4	7.4	[illegible]
	[illegible]	2[illegible].4			[illegible].7						[illegible]	[illegible]	[illegible]	[illegible]77
	[illegible]	2[illegible]			[illegible].9						1[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]1-23	25.[illegible]			[illegible]2.1						16.[illegible]	[illegible].3	[illegible].7	[illegible]
TOTALS		[illegible].1			21.[illegible]						[illegible].3	4[illegible].6	7.[illegible]	[illegible]614

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] RAL CLIMATOLOGY BRANCH
[illegible] ETAC
[illegible] WEATHER SERVICE/MAC

SKY COVER

[illegible] AAF/FT LEWIS WA [illegible]
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	0-[illegible]	.9			[illegible].7						[illegible]	[illegible].4	[illegible]	[illegible]
	[illegible]	.7			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible].9			[illegible]						[illegible]1.4	[illegible]	[illegible]	[illegible]
	-11	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-4	[illegible]			[illegible].1						[illegible].2	[illegible]	[illegible]	[illegible]
	-1[illegible]	[illegible]			[illegible]						[illegible].4	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible].7			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]4
	[illegible]-23	[illegible]			14.[illegible]						[illegible].7	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]			[illegible].1						[illegible].1	[illegible].7	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN CONTINUED OPACITY	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
[illegible]	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]			[illegible]						[illegible]	[illegible]	[illegible]	78[illegible]
TOTALS		4[illegible]			1[illegible]						1[illegible]	[illegible]	[illegible]	4[illegible]

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	
		0	1	2	3	4	5	6	7	8	9	10			
TOTALS															

USAFETAC FORM JUL 64 0 9 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency of occurrence of temperature by degree Fahrenheit increments, plus mean temperature, standard deviations, and the number of observations in three separate tables as follows:

a. Daily maximum temperatures
b. Daily minimum temperatures
c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

Extreme values - derived from daily observations with the extreme value selected for each year and month of record for each table. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

a. Extreme maximum temperature
b. Extreme minimum temperature

NOTE The following symbols are used in the extreme data blocks:

(1) * indicates the extreme was selected from a month with one or more days missing.

(2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

c. In the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

d. [illegible] temperature [illegible] was not reported prior to 1946. Relative humidity usually was not reported prior to 1944, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2

AL CLIMATOLOGY BRANCH
TAC
STATE SERVICE /MAC
AN AAF/FT LE[illegible]

STATION NAME

[illegible]-47, 6[illegible]-69, 71-[illegible]

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]							.6	1.8					[illegible]
[illegible]					.4	.3	3.7	4.9	.6				[illegible]
[illegible]					1.9	3.6	11.9	12.3	2.7	.2			[illegible]
[illegible]				.5	4.3	10.2	26.2	23.2	8.3	.3			[illegible]
[illegible]				1.8	1[illegible].3	32.3	46.7	43.6	21.1	1.3			1[illegible]
[illegible]		.1	.6	6.1	19.6	36.9	67.2	67.6	4[illegible].6	7.7	.3		[illegible]
[illegible]		.3	2.3	13.8	38.8	62.7	9[illegible].7	87.4	6[illegible]	21.3	1.[illegible]		[illegible]
[illegible]	.[illegible]	.3	11.6	2[illegible].5	62.8	88.5	98.7	99.1	93.8	48.3	5.4	1.1	47.[illegible]
[illegible] 5	4.9	1[illegible].3	31.3	5[illegible].1	96.3	98.5	100.0	100.0	99.4	81.5	2[illegible].2	7.9	[illegible]
[illegible]	19.8	44.3	[illegible].7	88.3	98.2	99.8			100.[illegible]	95.6	56.3	29.4	7[illegible]
[illegible] 4	4.[illegible]	73.8	92.8	99.4	10[illegible].3	100.1				99.4	82.7	54.4	[illegible]
[illegible]	7[illegible].1	[illegible].1	96.6	100.0						100.0	9[illegible].4	76.1	[illegible]
[illegible] 7	8[illegible].8	99.3	1[illegible]								99.4	95.[illegible]	[illegible]
[illegible]	7.4	1[illegible]									100.3	97.8	99.[illegible]
[illegible]	9.5											99.[illegible]	[illegible]
[illegible]	[illegible]											99.8	[illegible]
[illegible]												[illegible]	[illegible]
MEAN	3.3	4[illegible].6	51.7	56.6	63.1	63.3	74.2	74.1	65.8	5[illegible].7	5[illegible].3	45.[illegible]	[illegible]
S.D.	[illegible]	5.165	6.234	[illegible].976	8.249	7.933	8.[illegible]	6.205	7.154	6.373	6.79[illegible]	7.176	1[illegible].794
TOTAL OBS	147	594	6[illegible]	661	671	661	673	651	637	673	673	643	7747

USAFETAC [illegible] 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

AL TECHNOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)
STATION: RAY AAF/FT LEWIS WA — STATION NAME: 39-4 , 61-69, 71-81 — YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							.1						
						.3	2.4	.1	1.3	.2			.3
5					1.5	.8	31.9	45.3	15.1	2.5	.2		5.9
	.1	.2	.3	2.1	11.9	47.4	78.2	82.2	48.6	15.5	2.4	1.1	24.5
4	[illegible]	5.7	8.3	17.4	43.7	83.2	95.5	96.5	79.7	41.1	16.8	11.2	47.2
	.2	23.7	29.1	46.1	77.9	97.4	99.7	99.8	96.5	71.2	42.4	28.5	61.5
3	41.3	51.3	59.4	78.9	95.7	99.7	100.0	100.0	99.7	91.8	67.9	52.7	75.1
3	53.5	63.6	71.7	85.4	97.9	100.0			99.8	95.9	77.9	63.5	81.4
2	67.6	79.3	85.9	96.8	100.0				100.0	99.2	88.9	78.1	91.6
1	86.1	95.1	98.2	100.0						99.8	97.1	92.5	97.5
	93.5	98.3	99.8							100.0	99.6	96.7	99.
0	96.4	99.5	100.0								100.0	98.2	99.[illegible]
	99.1	99.8										99.2	99.[illegible]
	100.0	100.0										100.0	100.0
MEAN	32.1	34.9	36.1	39.8	43.5	46.3	52.4	53.3	49.1	42.2	37.7	34.5	42.2
S.D.	6.143	6.815	5.799	5.173	5.149	4.534	4.193	4.279	5.177	5.935	6.568	7.763	9.156
TOTAL OBS	647	594	651	661	671	661	673	651	631	673	670	643	7747

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] WEATHER SERVICE / MAC
[illegible] BY AAFB/FT LEA[illegible]

STATION — STATION NAME — YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]							.[illegible]	.3					.[illegible]
[illegible]						.[illegible]	2.4	4.[illegible]					.[illegible]
[illegible]					.7	2.[illegible]	12.4	12.9	1.4				.[illegible]
[illegible]					.3	12.5	36.8	40.1	13.[illegible]	.6			.[illegible]
[illegible]				.1	13.6	42.4	79.5	81.9	44.4	5.8	.5		[illegible]
[illegible]	.[illegible]	.2	1.2	8.5	38.5	[illegible]	97.3	98.6	86.5	[illegible]	2.[illegible]	.2	[illegible]
[illegible]	4.[illegible]	6.[illegible]	12.[illegible]	32.7	77.5	95.[illegible]	1[illegible]	1[illegible]	98.6	65.4	17.5	9.[illegible]	52.6
4	.[illegible]	[illegible]	46.1	75.[illegible]	97.6	100.0			99.8	91.8	5[illegible]	39.7	[illegible]
[illegible]	[illegible]	65.7	82.6	99.2	1[illegible]				100.0	99.2	79.5	55.1	[illegible]
[illegible]	71.9	93.9	97.5	1[illegible]						99.8	94.[illegible]	79.8	[illegible]
[illegible]	8.7	96.1	100.0							100.0	99.[illegible]	93.6	[illegible]
[illegible]	[illegible]	99.[illegible]									100.0	98.[illegible]	[illegible]
[illegible]	9.4	1[illegible]										98.8	99.[illegible]
[illegible]	1[illegible]											99.8	100.[illegible]
[illegible]												100.0	100.[illegible]
MEAN	[illegible]	42.0	44.1	47.9	53.5	59.9	63.5	63.9	59.1	51.5	44.2	[illegible]	[illegible]
S.D.	[illegible]	5.435	4.728	4.617	5.346	4.901	4.9[illegible]	4.368	4.464	5.[illegible]	5.737	7.11[illegible]	[illegible]
TOTAL OBS	[illegible]	594	651	661	671	661	673	651	631	638	671	643	7747

USAFETAC FORM 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION [illegible] STATION NAME [illegible] YEARS [illegible]

[illegible] DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
				[illegible]	[illegible]	[illegible]	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
						[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		
	[illegible]	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	66	[illegible]	67	[illegible]	[illegible]	77	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		56	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	58	67	75	[illegible]	[illegible]	[illegible]	[illegible]	77	71	62	[illegible]	[illegible]
[illegible]	[illegible]	63	[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	[illegible]	[illegible]	71	[illegible]	[illegible]	[illegible]
[illegible]		71	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51		
	[illegible]	54	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]	56	[illegible]	[illegible]
	[illegible]	59	[illegible]	77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	59	[illegible]	[illegible]	[illegible]	[illegible]	87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]		[illegible]
7	[illegible]	56	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	54	[illegible]	75	77	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56	[illegible]	[illegible]
MEAN	[illegible]	59.9	[illegible]	72.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.3	[illegible]	[illegible]
S.D.	[illegible]	4.892	[illegible]	[illegible]	[illegible]	4.437	5.297	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	673	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 84 0-88-5 (OLA)

[illegible]

[illegible]

EXTREME VALUES

[illegible]

FROM DAILY OBSERVATIONS

STATION [illegible] STATION NAME [illegible] LEWIS [illegible] [illegible] YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	37	[illegible]	[illegible]					
						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	34	[illegible]	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	25	[illegible]	[illegible]	37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	27.2	[illegible]	[illegible]	[illegible]	[illegible]	44.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	2.427	[illegible]	2.633	3.057	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS.	[illegible]	594	[illegible]	[illegible]	[illegible]	[illegible]	673	651	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

[illegible] RAL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible]RAY AAF/FT LEWIS [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH

PAGE [illegible] HOURS [illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]			.1	.1														[illegible]	[illegible]		
[illegible]			.2															[illegible]	[illegible]		
[illegible]		.4	1.0	.5														[illegible]	[illegible]		
[illegible]			1.1	.4														[illegible]	[illegible]	17	[illegible]
[illegible]	47		1.5	1.														[illegible]	[illegible]	14	5
[illegible]	4	.7	4.7	.2														46	45	8	[illegible]
[illegible]	[illegible]	[illegible]	7.6	1.[illegible]	.3													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	4[illegible]	[illegible]	7.7	[illegible].6	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.2	3.[illegible]	1.6	.1	.1												53	[illegible]	7[illegible]	[illegible]
[illegible]		.1	[illegible].4	1.	.4													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.4	[illegible].3	.6	.1	.4												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1	[illegible]	.1	.5													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible].5	1.5	.1	.4												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible].1	1.		.2												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1	.4	.4	.4													[illegible]	[illegible]	36	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1.[illegible]	.1	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1.[illegible]	.5														[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]			.4	.3														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			.4	.1														[illegible]	[illegible]	[illegible]	14
1 [illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					1
[illegible]																					[illegible]
[illegible]																					1[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]	[illegible]	1.6	64.[illegible]	16.4	[illegible].6	1.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
																		82[illegible]		82[illegible]	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	11 34 4	[illegible]	[illegible]	[illegible]	[illegible]		51.[illegible]					[illegible]
Wet Bulb	[illegible]	[illegible]	3[illegible]	[illegible]	[illegible]		35.4					[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible].2	4[illegible].5					[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]RAL CLIMATOLOGY BRANCH
[illegible]TAC
A[illegible] [illegible]EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] — STATION
[illegible] AAF/FT LEW[illegible] — STATION NAME
73-8[illegible] — YEARS
[illegible] — MONTH
[illegible] — HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
/ [illegible]				.																	
/ [illegible]			.															4	4		
/ [illegible]	.	.	.4	.1																	
/ [illegible]	.1	.	.6																		4
/ [illegible]	.	1.2	.2	.4																	
/ 4[illegible]		2.1	1.2																		
/ 4[illegible]	.	3.3																			
/ 4[illegible]	.	5.1	1.8																		
/ 4[illegible]	1.7	5.[illegible]	.7	.1														74	74		
/ [illegible]	.3	[illegible].2	[illegible].1	.1																6	
/ [illegible]	.	6.7	1.9	.2	.1													79	79		
/ [illegible]	.8	5.7	.	.1	.4													7[illegible]	7[illegible]		
/ [illegible]	.5	7.	.	.2																4	7
/ [illegible]	.	[illegible].3	.6	.1	.1																
/ [illegible]	.2	1.7	.9		.																
/ [illegible]	.7	1.	.2		.1																
/ [illegible]	.	1.6	.	.4																	
/ 2[illegible]	.6	1.	.4																		
/ [illegible]	.7	.6	.	.																	
/ [illegible]	.4	.2	.2																	1[illegible]	
/ [illegible]		1.																1	1		
/ [illegible]		1.1	.																		
/ [illegible]		1.7	.1																	1[illegible]	
1 / [illegible]		.4																		1[illegible]	
/		.1																1	1	4	7
/		.4																3	3		
/																					5
/																					11
/																					[illegible]
/																					4
/																					8
TOTAL	1[illegible].5	66.7	14.6	[illegible].1	1.2													822	[illegible]	822	822

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]9189	68[illegible]71	8[illegible].9	1[illegible].194	822							
Dry Bulb	1[illegible]77[illegible]57	[illegible]869	35.1	8.634	822		31.9					93
Wet Bulb	937849	27587	33.6	9.723	822		37.3					93
Dew Point	557639	25[illegible]76	3[illegible].5	1[illegible].624	822	1.4	49.4					93

Mean No. of Hours with Temperature

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	AY AAF/FT LEWIS WA	73-81	JAN
STATION	STATION NAME	YEARS	MONTH

PAGE [illegible] [illegible]
HOURS (L.S.T.)

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																																			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp °F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

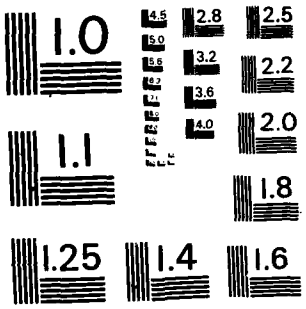
Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥90 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM JUL 64 0 26 5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A128 112 GRAY AAF/FORT LEWIS WASHINGTON REVISED UNIFORM SUMMARY OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 14 DEC 82 4/5

UNCLASSIFIED USAFETAC/DS-82/062 SBI-AD-E850 362 F/G 4/2 NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	JAN

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 59					.1													1	1		
5 / 55		.1	.1	.4	.1													6	6		
/ 53		.4	1.5	.6	.2													22	22	1	
/ 51	.6	1.1	1.8	.2			.3											33	33	13	7
/ 49		2.7	2.9	.5	.1													51	51	32	8
/ 47	.1	3.3	2.7	1.9	.1	.1												68	68	54	28
/ 45	.1	5.6	4.3	1.3														93	93	58	42
4/ 43		5.6	3.8	2.1	.2	.1	.1											96	98	77	51
/ 41	.4	4.3	4.4	1.6	.2	.2												91	91	96	61
/ 39	.9	5.2	3.6	.6	.1	.1												87	87	97	83
/ 37	.5	5.2	2.6	1.1	1.1	.2												88	88	106	72
/ 35	.2	3.1	2.2	1.2	1.1	.1												85	85	7[illegible]	37
3 / 33	.2	2.9	1.5	1.5	1.2	.2												62	62	86	74
/ 31	.1	1.3	.2	.7	1.3	.2												33	33	5[illegible]	73
/ 29	.1	.5	.4	.5	.7													18	18	41	51
/ 27	.1		.2	.1	.1													5	5	24	35
/ 25			.1															1	1	23	25
/ 23																				14	7
2/ 21																				6	15
/ 19																					13
/ 17																					13
/ 15																					14
/ 13																					13
1 / 11																					9
/																					4
/ 7																					11
/ 5																					3
/ 3																					2
/																					4
/ -1																					3
- / -3																					5
- / -5																					5
- / -7																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	JAN

PAGE 1 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
T[illegible]L	.4	41.2	32.2	14.4	6.9	1.5	.4											822	[illegible]	[illegible]	822
																		822		822	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	474813	6[illegible]346	74.0	17.246	822							
Dry Bulb	14[illegible]566	34162	41.6	6.126	822		6.4					93
Wet Bulb	1245100	31516	38.3	6.691	822		18.2					93
Dew Point	998961	27259	33.2	10.757	822	1.5	35.[illegible]					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

74[illegible]73 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
JAN — MONTH

PAGE 1 — 1500-2000 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		.4	.5															7	7		
[illegible]	.2	.7	1.2	.2			.4											23	23	5	3
[illegible]	.4	1.[illegible]	.6	.1														23	23	14	9
[illegible] 47	.5	3.5	1.6															46	46	35	18
[illegible] 4[illegible]	.2	5.5	1.8															62	62	43	25
4/ 4[illegible]	.5	6.6	2.4	.1														79	79	68	42
[illegible] 41	.7	6.[illegible]	1.0	.4														66	66	77	68
[illegible]	1.7	6.[illegible]	3.2	.1														87	87	73	71
[illegible]	1.1	8.9	1.6	.2														97	97	91	75
[illegible] 35	.7	6.9	1.2	1.6	.1													87	87	106	69
[illegible] 73	.9	6.7	1.0	.2	.4	.2												77	77	82	[illegible]
[illegible] 31	.2	5.5	1.0	.7	.6													66	66	6[illegible]	1[illegible]4
[illegible]	.6	2.2	1.6	.2	.5													42	42	57	49
[illegible]	.2	.7	.9	.4	.6													23	23	26	48
[illegible] 25		.5	1.5	1.0	.1													24	24	10	35
[illegible] 2[illegible]		.4	.6	.1														7	7	24	3
[illegible] 21		.5	.2															5	5	21	14
[illegible] 1[illegible]																				13	16
[illegible] 3[illegible]																				1	7
[illegible] 1[illegible]																					25
[illegible] 13																					13
1 / 11																					2
[illegible]																					3
[illegible]																					6
[illegible]																					4
[illegible]																					6
[illegible]																					9
[illegible] -1																					5
[illegible] -5																					5
[illegible] -7																					1
TOTAL	.7	62.9	21.4	5.5	2.3	.2	.4											822	822		822
																		822		822	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5507365	66113	80.4	15.210	822							
Dry Bulb	1242239	31481	38.3	6.738	822		19.3					93
Wet Bulb	1116[illegible]09	29719	36.2	7.113	822		26.5					93
Dew Point	946357	26573	32.3	10.313	822	1.2	40.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]72	[illegible]RAY AAF/FT LEWIS WA	73-81	JAN

PAGE [illegible] 2100-2700 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55			.2															2	2		
[illegible] / 53		.7	.5															12	12		
[illegible] / 51	.2	.6	.9				.1											15	15	11	2
[illegible] / 49	.4	1.0	.7		.1													18	18	12	12
[illegible] / 47	.1	1.9	1.5															29	29	22	7
[illegible] / 45	.6	3.4	.9															40	40	[illegible]	29
4 / 43	.1	5.8	2.3															68	68	46	25
[illegible] / 41	1.0	7.2	1.1	.2	.1													79	79	76	49
[illegible] / 39	1.7	4.9	2.6	.1	.2													78	78	92	75
[illegible] / 37	1.	6.7	1.6	.2	.1													91	91	67	59
[illegible] / 35	1.2	8.8	.4	.2														87	87	95	65
3 / 33	1.3	7.9	1.3	.1														88	88	107	63
[illegible] / 31	1.9	5.4	.9	.1	.5													73	73	76	13[illegible]
[illegible] / 29	1.[illegible]	2.7	1.1	.4	.1													43	43	63	61
[illegible] / 27	1.6	1.5	.6	.4	.1													34	34	75	[illegible]
[illegible] / 25	.1	2.3	.9	.2														29	29	[illegible]	31
[illegible] / 23	.2	.5	.2	.6														13	13	24	21
[illegible] / 21	.1	1.1	.1	.2														13	13	19	17
[illegible] / 19		1.[illegible]	.9															15	15	11	16
[illegible] / 17		.5	.2															6	6	16	15
[illegible] / 15		.1																1	1	6	18
[illegible] / 13																				[illegible]	13
1 / 11																					5
[illegible] / 9																					3
[illegible] / 7																					4
[illegible] / 5																					13
[illegible] / 3																					4
[illegible] / 1																					5
[illegible] / -1																					4
[illegible] / -3																					5
[illegible] / -5																					2
[illegible] / -7																					2
TOTAL	13.7	63.9	19.0	2.9	1.5		.1											822	822	822	822

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5744[illegible]58	67765	82.4	13.890	822							
Dry Bulb	115[illegible]935	30143	36.7	7.443	822		25.7					93
Wet Bulb	1045262	28659	34.9	7.542	822		32.1					93
Dew Point	897731	25861	31.5	10.122	822	1.5	47.1					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	BAY AAF/FT LEWIS WA	73-81	JAN

PAGE 1 — HOURS (L. S. T.): ALL

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 59					.1													1	1		
/ 57		.1	.0	.0	.1													6	6		
/ 55		.3	.7	.2	.1													35	35	2	
/ 53	.3	.4	.5	.1	.1													83	83	6	3
/ 51	.3	.8	1.3	.1			.1											171	171	91	29
/ 49	.3	1.7	1.0	.2	.1													213	213	146	90
/ 47	.1	2.7	1.4	.5	.0	.0	.1											313	313	238	124
/ 45	.3	4.0	1.9	.3														426	426	302	257
4/ 43	.2	5.2	2.5	.5	.0	.0	.0											559	559	413	250
2/ 41	.3	6.1	2.7	.5	.1	.1												675	675	671	396
/ 39	1.3	5.0	2.4	.2	.2	.1												599	599	644	581
/ 37	.3	6.9	1.8	.5	.3	.1												677	677	677	516
/ 35	1.1	6.2	1.1	.6	.4	.0												627	627	696	636
3 / 33	1.1	5.8	1.1	.5	.5	.1												582	582	693	600
/ 31	1.2	5.6	.9	.4	.6	.1												579	579	520	780
/ 29	1.2	1.8	1.0	.3	.4													303	303	498	516
/ 27	.8	1.0	.5	.2	.2													173	173	258	370
/ 25	.4	1.2	.6	.3	.1													166	166	222	229
/ 23	.4	.6	.2	.1														95	95	195	131
2/ 21	.3	.7	.1	.1														82	82	146	148
/ 19	.1	.9	.2															78	78	78	160
/ 17		.6	.1															47	47	61	111
/ 15		.5	.1															34	35	48	128
/ 13		.5	.0															35	35	37	101
1 / 11	.1	.2																18	18	38	63
/ 9		.1																9	9	16	50
/ 7		.1																7	7	10	55
/ 5																				3	53
/ 3																					57
/ 1																					45
/ -1																					34
/ -3																					33
/ -5																					14
/ -7																					9

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]7[illegible]	GRAY AAF/FT LEWIS WA	73-81	JAN

PAGE [illegible] ALL (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -9																					2
- / -1[illegible]																					1
-1 / -1[illegible]																					1
TOTAL	1[illegible].6	5[illegible].6	21.8	5.6	2.9	.4	.1												6577		6576
																		6576		6576	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4412695[illegible]	5[illegible]9834	8[illegible].6	14.787	6576							
Dry Bulb	9698725	246915	37.5	8.[illegible]77	6577		182.9					744
Wet Bulb	96743[illegible]7	232943	35.4	[illegible].[illegible]18	6576		239.9					744
Dew Point	7321829	208189	31.7	1[illegible].543	6576	1[illegible].6	350.1					744

USAFETAC FORM AW 94 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]	[illegible]RAY AAF/FT LE[illegible]IS [illegible]A	73-81	FEB

PAGE [illegible] HOURS (L. S. T.) [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 57		.3																2	2		
5 / 55		.3		.3														4	4	2	1
[illegible] / 53		.3	.7	.4	.1													11	11	2	1
[illegible] / 51		.3	.3	.1														5	5	4	3
[illegible] / 49		2.2	1.0	.3	.4	.1												31	31	12	6
[illegible] / 47		4.1	1.[illegible]	.1	.3													42	42	[illegible]	12
4 / 45	.1	4.1	1.2	.3														43	43	41	24
4 / 43	.4	7.0	2.2															73	73	56	42
2 / 41	1.2	6.8	2.6															81	81	79	58
4 / 39	2.1	5.4	2.4	.5	.3													80	80	82	65
2 / 37	2.4	8.9	1.3	.4	.1													100	100	91	61
2 / 35	1.2	6.7	1.3	.7														75	75	68	92
3 / 33	.5	7.5	.9															63	63	98	56
/ 31	1.6	6.1	.5	.1	.3													65	65	65	1.1
[illegible] / 29	2.9	3.1	.5		.1													51	51	80	79
[illegible] / 27	.4	1.4																14	14	19	63
/ 25	.7	.7																10	10	22	29
[illegible] / 23		.4																3	3	7	17
2 / 21		.1																1	1	1	1[illegible]
[illegible] / 19		.4																3	3	4	18
[illegible] / 17																					2
1 / 15																					3
[illegible] / 13																					2
[illegible] / 1																					1
/ -1																					2
TOTAL	13.3	65.9	16.0	3.1	1.6	.1												762	762	762	762

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5549589	64519	84.7	1[illegible].675	762							
Dry Bulb	1166579	29397	38.6	6.533	762		16.2					84
Wet Bulb	1063838	28074	36.9	6.228	762		21.7					84
Dew Point	929107	26035	34.2	7.212	762	.2	35.5					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	FEB

PAGE 1 0300-0500 HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55			.7															2	2		
4 / 53		1.0	.1	.1														12	12	1	
/ 51		.1	.4		.4													7	7		2
/ 49		2.2	1.1	.4	.1													29	29	3	7
/ 47	.1	3.6	1.2	.5	.1													44	44	8	13
/ 45	.1	4.1	.9	.1														43	43	12	21
4/ 43		5.8	1.4															55	55	22	39
2/ 41	.2	6.3	2.9	.1														77	77	7	52
1/ 39	2.2	8.7	3.2															120	120	2	69
/ 37	2.8	6.8	.9	.4	.1													84	84	115	71
/ 35	2.	6.4	.7	.3	.3													73	73	40	94
3 / 33	.9	6.	1.6	.1														68	68	75	67
/ 31	1.4	7.3			.1													68	68	40	91
/ 29	1.1	4.1	.7															42	42	84	76
/ 27	1.3	2.1		.1														37	37	96	68
/ 25	.2	.4																6	6	17	4
/ 23	.4	.1	.1															6	6	7	13
2/ 21		.5																4	4	2	2
/ 19	.2																	2	2	5	1
/ 17		.3																2	2	1	2
1 / 15																				2	7
/ 13																					4
1 / 11																					1
/ 9																					1
/ 7																					1
/ -1																					1
TOTAL	15.2	66.1	14.7	2.2	1.2														762		762
																		762		762	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5512435	64959	85.2	9.915	762							
Dry Bulb	1134763	28963	38.1	6.677	762		19.1					84
Wet Bulb	1035833	27731	36.4	6.345	762		24.8					84
Dew Point	910750	25768	33.8	7.196	762	.1	35.7					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74 77 — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-81 — YEARS
FEB — MONTH

PAGE 1 — 1600-0800 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 59				.1														1	1		
5 / 55			.1															1	1	1	
/ 52	.1	.7	.1															7	7	1	1
/ 51		.1	.4															4	4	5	1
/ 4		2.1	1.2	.1			.1											27	27	3	6
/ 47		3.9	1.7															43	43	16	4
/ 45	.1	4.2	1.6															45	45	41	23
4 / 43	.4	4.9	1.2		.1													51	51	53	36
/ 41	1.2	7.1	2.4															91	91	57	53
/ 7	1.3	7.7	2.5															92	92	78	53
/ 37	1.1	7.0	1.4	.4														81	81	99	86
/ 35	3.1	5.2	.8	.3	.4													72	72	92	78
2 / 33	1.2	5.4	1.2	.1														83	83	71	77
/ 31	2.1	8.0																77	77	79	99
/ 29	1.0	2.9																45	45	86	66
/ 27	1.1	1.8	.3															26	26	71	56
/ 25		1.0	.1															9	9	12	41
/ 23	.1	.3																4	4	12	16
2 / 21	.3	.1	.1															4	4	3	14
/ 19	.3	.9																9	9	5	7
/ 17		.1																1	1	7	3
/ 15																					7
1 / 13																					4
1 / 11																					4
/ 9																					1
/ 7																					1
TOTAL	16.1	66.1	15.1	1.0	.9		.3												762		762
																		762		762	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5656495	65263	85.7	9.277	762							
Dry Bulb	1117697	28733	37.7	6.729	762		19.3					84
Wet Bulb	1027035	27551	36.2	6.372	762		25.6					84
Dew Point	901837	25657	33.7	7.062	762		37.3					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]AY AAF/FT LEWIS WA	73-81	FEB

PAGE [illegible] HOURS (L.S.T.) [illegible]-11[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible]				.7	.1													[illegible]	[illegible]			
[illegible]		.1			.1													[illegible]	[illegible]			
[illegible]		[illegible]	.4		.1													[illegible]	[illegible]	[illegible]		
[illegible]		.4	.9	.4	.7													15	15	7	[illegible]	
[illegible]		.2	1.6	.7	.1	.1												25	25	5	[illegible]	
[illegible]		2.4	3.4	.9		.1	.3											54	54	17	9	
[illegible]		5.2	2.9	.8														59	59	45	[illegible]	
[illegible]		4.[illegible]	4.7	1.6	.7													[illegible]	32	77	47	
[illegible]	.3	5.6	3.8	.9	.1	.3												57	57	69	69	
[illegible]	.3	7.6	4.[illegible]	.9	.1													99	99	96	52	
[illegible]	.9	4.7	3.5	.9	.7													79	79	172	76	
[illegible]	.5	6.7	1.7	.4		.3												75	75	89	54	
[illegible]	1.[illegible]	5.5	.9	.3		.3												53	53	87	95	
[illegible]	1.3	5.[illegible]	.7	.1	.1													55	5	86	71	
[illegible]	.2	[illegible]	.5	.1														34	34	43	96	
[illegible]	.9	.7	.7	.1														12	12	77	45	
[illegible]		.4																[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		.7																[illegible]	[illegible]	7	14	
[illegible]		.7																[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]		.1																1	1	2	8	
[illegible]																					5	
[illegible]																					[illegible]	
[illegible]																					1	
[illegible]																					4	
[illegible]																					[illegible]	
[illegible]																					[illegible]	
[illegible]																					1	
TOTAL	.35	3.32	9.4	8.1	1.7	.9	.3												762			762
																		762		762		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]65119	6144[illegible]	8[illegible].6	12.[illegible]28	76[illegible]							
Dry Bulb	134[illegible]346	31664	41.6	6.235	76[illegible]		6.[illegible]					54
Wet Bulb	118941[illegible]	29737	39.1	5.796	762		17.1					54
Dew Point	1010[illegible]5	27241	35.7	6.940	762		24.7					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]AY AAF/FT LEWIS WA	73-81	FEB

PAGE 1 — HOURS (L.S.T.) 12[illegible]-14[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
+/ [illegible]					.2												2	2		
/ [illegible]						.1											1	1		
/ [illegible]9				.1		.1	.1	.1									4	4		
/ 57			.4	.5	.4	.5	.4										17	17		
5 / 55		.5	.7	2.[illegible]	1.[illegible]	.4	.1										36	36	[illegible]	
/ 5[illegible]		.4	2.[illegible]	1.8	2.[illegible]												47	47	[illegible]	[illegible]
/ 51		1.0	3.3	2.9	.5												59	59	17	5
/ 4[illegible]		7.1	2.5	2.9	.4	.3	.3										72	72	55	13
/ 47		3.5	3.3	5.8	1.4	.7	.1										113	113	85	[illegible]
/ 45		7.4	5.6	3.1	1.2	.5											106	106	79	[illegible]
4/ 47	.1	3.5	6.2	2.9	.5	.7											[illegible]	[illegible]	[illegible]	[illegible]
/ 41	.1	2.1	5.4	1.7	.4	.1											75	75	114	73
/ [illegible]	.1	3.5	2.4	.9	.7	.1	.4										59	59	1[illegible]	[illegible]
/ 37	[illegible]	2.4	.8	.4	.1	.1											37	37	105	[illegible]
/ 35	.7	1.8	.1	.3													19	19	46	[illegible]
3 / 3[illegible]	.1	.5		.1													8	8	[illegible]	60
/ 31		.3	.7	.1													5	5	8	66
/ 3[illegible]		.1	.1														2	2	9	32
/ [illegible]																			6	19
/ 25																			1	9
/ 23																				1
2/ 21																				8
/ 1[illegible]																				7
/ [illegible]																				9
1 / 1[illegible]																				3
/ [illegible]																				1
/ [illegible]																				2
/ [illegible]																				3
TOTAL	.1	.126	.133	.125	.6	.5	3.3	1.4	.1								762	762		762

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4 13433	54225	71.2	14.259	762							
Dry Bulb	1636938	35[illegible]48	46.[illegible]	5.722	762		.8					84
Wet Bulb	1358274	31024	41.9	5.235	762		2.6					84
Dew Point	1061[illegible]	27914	36.6	7.196	762		18.6					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	[illegible]AY AAF/FT LEWIS [illegible]	[illegible]-[illegible]1		[illegible]
STATION	STATION NAME	YEARS		MONTH
			PAGE 1	1[illegible]-[illegible]7
				HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]									.[illegible]									[illegible]	[illegible]		
[illegible]						.[illegible]	.3	.4	.1									[illegible]	[illegible]		
5[illegible]			.[illegible]	.1		.4	.7											[illegible]	[illegible]		
[illegible]			.[illegible]	.[illegible]	.[illegible]	.1	.1											[illegible]	[illegible]		
[illegible]5		.7	.5	1.4	1.7	.4												7[illegible]	[illegible]4		
[illegible]		.7	1.4	2.6	1.4	.[illegible]												[illegible]	[illegible]	[illegible]	
[illegible]		1.2	[illegible]	[illegible].2	1.[illegible]	.[illegible]	.7											[illegible]	[illegible]	[illegible]	
[illegible]		3.[illegible]	[illegible].1	2.2	1.[illegible]	.3	.[illegible]											[illegible]	[illegible]	4	
47	.[illegible]	1.6	2.[illegible]	5.[illegible]	.[illegible]	1.[illegible]												[illegible]	[illegible]	7[illegible]	[illegible]
4[illegible]		3.4	4.1	3.[illegible]	1.7	.5												[illegible]8	[illegible]	[illegible]	[illegible]
[illegible]	.1	7.[illegible]	5.[illegible]	5.5	.1	.7	.1											1[illegible]	1[illegible]	[illegible]	4[illegible]
[illegible]	.1	3.7	[illegible]	[illegible]	.7	.3	.7											[illegible]9	[illegible]9	1[illegible]	7[illegible]
[illegible]	.[illegible]	[illegible]	2.4	1.4	.1	.3	.[illegible]											[illegible]4	[illegible]4	1[illegible]	7[illegible]
[illegible]	.[illegible]	3.[illegible]	.[illegible]	.1	.1	.1												34	34	[illegible]	[illegible]
[illegible]		.[illegible]	.[illegible]	.[illegible]														[illegible]1	11	[illegible]4	[illegible]
33		.[illegible]	.[illegible]	.1														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.[illegible]	.1															[illegible]	[illegible]	[illegible]	71
[illegible]			.[illegible]															[illegible]	[illegible]	[illegible]1	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]5																					[illegible]
2[illegible]																					[illegible]
[illegible]																					
[illegible]																					1[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]1																					[illegible]
																					[illegible]
																					3
[illegible]	1.7[illegible]	.3	31.5	24.4	[illegible].7	[illegible].[illegible]	1.[illegible]	.4	.3										76[illegible]		762
																		762		74[illegible]	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible] [illegible]5126	[illegible]3325	7[illegible].[illegible]	1[illegible].5[illegible]	75[illegible]							
Dry Bulb	16611[illegible]5	[illegible]1[illegible]	46.3	5.7[illegible]	76[illegible]		.[illegible]					[illegible]4
Wet Bulb	1[illegible]42[illegible]7	31[illegible]98	4[illegible].[illegible]	[illegible].19[illegible]	75[illegible]		[illegible].[illegible]					64
Dew Point	1[illegible]3237	[illegible]742	36.4	7.537	752		19.3					64

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] AL CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DAY AAF/FT LEWIS WA [illegible]
STATION — STATION NAME — YEARS — MONTH

[illegible] HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]				.1														1		1		
/ [illegible]			.1																	6		
/ [illegible]		.5	.4	1.[illegible]	.7	.4												[illegible]		27	[illegible]	
/ [illegible]		.3	1.7	.3	.5	.1												[illegible]		[illegible]	[illegible]	[illegible]
/ [illegible]		4.3	2.[illegible]	.4	.3													[illegible]		[illegible]	1[illegible]	6
/ 47	.5	5.1	2.4	.5	.1													[illegible]		[illegible]	[illegible]	[illegible]
/ 45	.7	3.5	5.1	.9	.1	.1												[illegible]		[illegible]	[illegible]	[illegible]
47 / [illegible]		5.6	4.2	1.2	.7	.1												[illegible]		47	[illegible]	45
/ 41	.4	6.8	4.9	1.[illegible]	.1													1[illegible]		1[illegible]	[illegible]	[illegible]
/ [illegible]	[illegible]	4.4	3.3	.5	.5	.1												[illegible]		[illegible]	1[illegible]	7[illegible]
/ [illegible]	.5	7.7	2.[illegible]	.5		.7												[illegible]		[illegible]	1[illegible]	[illegible]
/ [illegible]	1.2	5.4	2.1	.7	.5	.1												[illegible]		[illegible]	[illegible]	[illegible]
7 / [illegible]	.4	1.8	.8	.7		.1												[illegible]		[illegible]	7[illegible]	1[illegible]
/ [illegible]	.4	1.6	.4	.3	.1													[illegible]		[illegible]	[illegible]	[illegible]
/ [illegible]		.5	.7															[illegible]		[illegible]	[illegible]	[illegible]
/ [illegible]			.7															[illegible]		[illegible]	[illegible]	[illegible]
/ 25		.1																[illegible]		[illegible]	[illegible]	1[illegible]
/ 27																						
/ [illegible]																						1[illegible]
/ [illegible]																						[illegible]
/ 17																						[illegible]
/ [illegible]																						[illegible]
/ 13																						[illegible]
1 / 11																						1
/ [illegible]																						[illegible]
/ [illegible]																						[illegible]
/ [illegible]																						[illegible]
TOTAL	.[illegible]	.[illegible]	31.9	8.7	2.4	1.5	.1												76[illegible]		76[illegible]	76[illegible]
																		76[illegible]			76[illegible]	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	48 7448	[illegible]	7[illegible].7	13.405	76[illegible]							
Dry Bulb	1[illegible]4142	[illegible]	42.[illegible]	5.671	76[illegible]		2.2					54
Wet Bulb	1213944	[illegible]	39.8	5.448	76[illegible]		7.1					54
Dew Point	1[illegible]367	[illegible]	35.9	7.243	76[illegible]		21.9					54

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]DAY AAF/FT LEWIS WA	77-81	FEB

PAGE 1 [illegible]
HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]			.1															1	1		
/ [illegible]			.1															1	1		
/ [illegible]			.4	.1														4	4	1	
/ [illegible]		.7	.1	.5	.1	.4												11	11	2	
/ [illegible]		.7	.5	.4	.5													15	15	7	4
/ [illegible]		2.6	2.5	.3	.1													42	42	[illegible]	2
/ 47	.1	4.7	1.5	.1	.1													47	47	37	16
/ 45		6.2	2.2	.5	.1													69	69	[illegible]	33
/ 43		8.	2.															76	76	49	43
/ 41	.7	6.2	2.2	.3	.1													76	76	84	53
/ [illegible]	1.7	7.	2.2	.9	.4													97	97	76	56
/ 37	.9	6.7	1.3	.6														89	89	91	67
/ 35	.1	8.1	.5	.9														[illegible]	[illegible]	[illegible]	86
/ 33	.9	5.7	.4	.3														[illegible]	[illegible]	101	57
/ 31	.2	4.5		.1	.7													54	54	59	49
/ [illegible]	.5	1.3	1.4		.1													29	29	45	67
/ 27	.7	.4																5	5	13	34
/ 25		.1	.4															4	4	13	24
/ 23																				7	[illegible]
/ 21		.7																2	2	2	9
/ 19																					13
/ 17																					11
/ 15																					5
/ 13																					1
/ [illegible]																					2
/ [illegible]																					1
[illegible]	.5	65.2	17.8	5.8	2.3	.4													762		762
																		762		762	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]365 46	633[illegible]4	83.1	11.70[illegible]	76[illegible]							
Dry Bulb	1248 76	[illegible]442	4[illegible]	6.27[illegible]	76[illegible]		10.7					64
Wet Bulb	1122[illegible]4	[illegible]8896	37.9	5.958	76[illegible]		15.3					64
Dew Point	971[illegible]1	26657	35.[illegible]	7.109	762	.1	29.5					64

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	FEB

PAGE 1

HOURS (L.S.T.): ALL

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
47 / 63					.1				.1									3	3		
/ 61				.1	.1	.1	.1	.1	.1									11	11		
/ 59			.1	.1		.1	.1	.1										14	14		
/ 57		.1	.2	.2	.1	.1	.1											40	40		
5 / 55		.1	.4	.5	.3	.1	.1											95	95	14	1
6 / 53	.1	.5	.7	.9	.6	.2												174	174	73	9
/ 51		.6	1.4	.8	.4	.1	.1											199	199	72	35
/ 49		2.5	2.2	.9	.4	.1	.1											424	424	177	62
/ 47	.1	4.1	2.1	1.7	.4	.2	.1											521	521	399	144
/ 45	.1	4.1	3.2	1.3	.4	.1												560	560	496	237
4 / 43	.2	5.5	3.4	.9	.1	.2	.1											624	624	551	378
3 / 41	.6	5.8	3.8	.8	.2	.1	.1											691	691	691	477
/ 39	1.3	5.7	2.6	.7	.2	.1	.1											648	648	743	555
/ 37	1.3	6.4	1.3	.5	.1	.1												586	586	782	664
/ 35	1.2	5.1	.5	.4	.1	.1												464	464	589	755
3 / 33	.7	4.6	.8	.1	.1	.1												377	377	564	667
/ 31	1.1	3.0	.2	.1	.1													326	326	360	696
/ 29	1.3	1.6	.4	.1	.1													206	206	359	45
/ 27	.5	.9	.1	.1														79	79	130	309
/ 25	.2	.3	.1															31	31	77	168
/ 23	.1	.1	.1															14	14	36	87
2 / 21	.1	.1	.1															12	12	11	9
/ 19	.1	.2																14	14	14	54
/ 17		.1																3	3	8	43
/ 15																				1	36
/ 13																					21
1 / 11																					9
/ 9																					5
/ 7																					5
/ 5																					6
/ 3																					6
/ 1																					6
/ -1																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.					
Dry Bulb					
Wet Bulb					
Dew Point					

Mean No. of Hours with Temperature

	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb							
Wet Bulb							
Dew Point							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE AUG 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]7[illegible]	GRAY AAF/FT LEWIS WA	73-81	FEB

PAGE [illegible]

HOURS (L. S. T.) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	[illegible]	2	323	7[illegible]	[illegible]8	7[illegible]6	1.5	[illegible]	.1	[illegible]								6[illegible]96	6[illegible]96	6[illegible]96	6[illegible]96

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4[illegible]076691	4973 5	79.9	13.569	6[illegible]96							
Dry Bulb	1[illegible]692757	251745	41.3	6.975	6[illegible]96		75.5					672
Wet Bulb	937932	236[illegible]84	38.7	6.227	6[illegible]96		109.8					672
Dew Point	7856497	214315	35.2	7.267	6[illegible]96	.4	223.4					672

USAFETAC FORM AWS 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

PAGE 1 [illegible]-[illegible] HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 57			.1															1	1		
[illegible] / 55			.2															2	2		
[illegible] / 5[illegible]		.4		.4	.4													9	9	[illegible]	
[illegible] / 5[illegible]	.2		.2															4	4	6	5
[illegible] / 4[illegible]	.1	2.3	.2	.1														23	23	4	4
[illegible] / 47	.1	4.1	2.5	1.2														66	66	76	11
[illegible] / 45	.2	5.1	3.2	.6	.1													78	78	92	27
[illegible] / 43		5.1	4.7	.7														68	68	44	36
[illegible] / 41	.6	7.[illegible]	9.2	.5	.1													146	146	93	41
[illegible] / 39	.7	6.7	5.9															111	111	1[illegible]	79
[illegible] / 37		8.4	2.7	.4														96	96	1[illegible]	99
[illegible] / 35	.5	5.6	.8	.1														64	64	114	1[illegible]6
[illegible] / 33	.5	5.[illegible]	1.[illegible]	.1														75	75	1[illegible]7	121
[illegible] / 31	.6	3.1	.4															33	33	4[illegible]	147
[illegible] / [illegible]	.4	1.8	.6	.2														25	25	[illegible]9	76
[illegible] / 27	.1	1.1																10	10	[illegible]1	[illegible]1
[illegible] / 25		.7																5	6	15	[illegible]2
[illegible] / 23																				5	23
[illegible] / 21																					[illegible]
[illegible] / 19																					7
[illegible] / 17																					[illegible]
[illegible] / 15																					8
[illegible] / 13																					1
TOTAL	4.1	59.3	31.8	4.3	.6														837		837
																		837		837	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	5543345	67729	8[illegible].9	8.667	837							
Dry Bulb	137.168	33[illegible]54	4[illegible].1	5.473	837		8.2					93
Wet Bulb	1219991	31649	37.8	5.275	837		12.2					93
Dew Point	1032341	28959	34.6	6.033	837		34.3					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55			.2															2	2		
4 / 53		.2																2	2	1	
7 / 51		.5	.4		.2													9	9	4	1
5 / 49	.2	1.2	.5	.2														19	19	6	1
7 / 47		3.5	1.3	.6														45	45	17	4
7 / 45	.1	5.7	3.2		.2													78	79	[illegible]	24
47 / 43		4.8	5.[illegible]	.4														85	85	65	39
2 / 41		7.2	5.9	.7														114	114	67	39
7 / 39	.5	6.5	5.[illegible]															100	100	132	58
2 / 37	.6	8.5	3.3	.1														105	105	113	87
7 / 35	.4	8.6	1.4	.1														88	88	112	116
3 / 33	.5	7.4	.1	.4														70	70	107	91
2 / 31	1.1	6.3																62	62	73	150
7 / 29	.4	2.7	.1															27	27	43	104
7 / 27	.1	.8	.4															11	11	74	39
7 / 25	.4	1.6	.1															17	17	12	26
7 / 23		.4	.1															4	4	14	18
2 / 21																				4	9
7 / 19																					7
7 / 17																					7
1 / 15																					3
7 / 13																					6
TOTAL	4.2	65.7	27.1	2.5	.5														837		837
																		837		837	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5685 62	68626	82.[illegible]	8.357	837							
Dry Bulb	12998.6	32524	39.[illegible]	5.8[illegible]9	837		13.4					93
Wet Bulb	115632	30898	36.9	5.546	837		18.9					93
Dew Point	9913.7	28331	33.8	6.221	837		45.9					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]7[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

PAGE 1 HOURS (L.S.T.) 0600-0900

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55			.2															2	2		
4 / 53		.1	.4		.1													5	5		
/ 51	.1	.2	.2															5	5	4	1
5 / 49	.4	.8	.6			.1												16	16	8	8
/ 47		3.5	1.2	.4	.2													44	44	16	6
4 / 45	.1	5.4	3.1	.6														77	77	73	47
4/ 43		5.3	4.3	.2														92	87	45	42
2/ 41		7.5	5.6	.1														111	111	74	36
/ 39	.5	8.2	5.3															117	117	1[illegible]	63
/ 37	.7	9.1	2.4	.1														1[illegible]3	1[illegible]3	1[illegible]	76
/ 35	.4	8.4	1.6	.1														87	87	112	111
3 / 33	.1	6.5	.7	.1														82	82	94	1[illegible]8
/ 31	1.1	5.[illegible]	.4															54	54	5[illegible]	1[illegible]7
/ 2[illegible]	.7	3.5	.4															38	38	5[illegible]	67
/ 27	.1	1.3	.2															14	14	31	4[illegible]
/ 25	.1	1.1																1[illegible]	1[illegible]	11	35
/ 23	.1	.7																7	7	14	13
2/ 21		.4																3	3	2	6
/ 19																				3	16
/ 17																					4
1 / 15																					3
/ 13																					4
TOTAL	4.4	66.9	26.5	1.7	.4	.1												837	8[illegible]	6[illegible]	837

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5718271	68855	82.3	8.036	837							
Dry Bulb	1295454	325[illegible]	38.9	5.874	837		14.[illegible]					93
Wet Bulb	1164853	30875	36.9	5.571	837		19.[illegible]					93
Dew Point	991357	28345	33.9	6.134	837		38.8					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] 72 — GRAY AAF/FT LEWIS WA — 73-81 — YEARS — MAR — MONTH

PAGE [illegible] — 0900-11[illegible] — HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 87				.1	.1		.4												5		
5 / 85		.2	.3	.8	.4	.2	.2											22	23	1	1
/ 83	.1	.7	.4	1.4	.2	.4	.2											29	29	2	1
/ 81	.1	.2	1.8	2.2	1.1	.4												43	42	16	6
/ 79		1.4	3.2	3.5	1.9	.2												80	86	16	6
/ 77		3.6	5.7	4.8	1.1													122	127	52	16
/ 75	.1	3.5	7.6	3.1	.7	.1												137	137	98	23
4 / 73		3.8	5.9	4.2	.4	.2												121	121	143	43
/ 71	.2	3.1	4.4	1.7	.2													114	114	146	77
/ 69	.2	3.5	3.9	.4	.2													68	69	176	104
/ 67	.2	2.9	1.7	.5	.1													45	45	115	123
/ 65	.6	1.2	.6	.5														24	24	62	124
3 / 63	.1	.6	.6	.2														13	13	71	106
/ 61	.1	.1		.1														3	3	10	111
/ [illegible]		.1	.1	.2														4	4	5	35
/ [illegible]																				3	24
/ 55																				4	7
/ 53																					4
2 / 51																					0
/ [illegible]																					1
/ 47																					1
/ 45																					1
/ 43																					3
TOTAL	.1	25.0	40.6	23.7	6.5	1.6	.3											877	877	657	937

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4041676	6[illegible]08	73.6	12.469	937							
Dry Bulb	1[illegible]3394	37527	44.8	5.271	937		.9					93
Wet Bulb	1427[illegible]74	34348	41.[illegible]	4.589	937		3.1					93
Dew Point	1125527	32291	36.2	5.920	937		23.5					93

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
71 [illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

PAST 1 1600-1400
HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 67										.1								1	1		
6/ 65								.1	.1									2	2		
4/ 63				.1				.1	.4									5	5		
/ 61		.1			.1	.5	.4	.5	.1									14	14		
/ 59				.2	.4	1.7	.6	.4										27	27	1	
/ 57		.1	.6	.6	2.2	.7	1.1	.4										47	47	2	2
5 / 55		.6	.6	1.3	2.1	1.3	.8	.1										57	57		1
4/ 53			.4	2.4	2.3	1.7	.4											59	59	16	2
/ 51		.4	1.7	3.2	4.4	2.2	.2											101	101	28	8
2 / 49		1.1	3.1	5.7	4.7	1.7	.1											130	130	65	3
/ 47		2.1	3.5	5.5	3.6	.7	.4											131	131	87	13
/ 45		2.2	3.9	4.4	1.8	.1	.1											105	105	115	3
4/ 43	.1	1.3	3.2	3.1	.6	.1	.1											72	72	141	56
/ 41	.1	2.1	1.9	.8	.5													46	46	144	52
6 / 39		.8	1.6	.2	.5													27	27	112	63
/ 37		.7	.1	.1	.1													9	9	65	99
/ 35				.1	.2													3	3	23	16
3 / 33				.1														1	1	9	93
/ 31																				5	14
/ 29																				1	67
/ 27																				5	28
/ 25																					5
/ 23																					7
2/ 21																					11
/ 19																					7
/ 17																					6
1 / 15																					-
/ 13																					4
TOTAL	.1	11.2	22.5	20.1	23.9	9.0	4.2	1.6	.6	.1								837	837	837	837

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3376515	51691	61.8	14.844	837							
Dry Bulb	2[illegible]8257	41249	49.3	5.515	837			.1				93
Wet Bulb	15889[illegible]	36273	43.3	4.479	837		1.0					93
Dew Point	1117356	30594	36.[illegible]	6.474	837		27.1					93

USAFETAC FORM AK 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible] 7[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAR

PAGE 1 15 0-17 00 HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 67								.1										1	1		
/ 65								.1	1.1									1[illegible]	1[illegible]		
4/ 63					.1		.7	.4	.1	.2								13	13		
/ 61			.1	.1	.1	.1	.8	.5	.2									17	17		
/ 59			.1	.1	.5	1.0	.7	.6										26	26		
/ 57			.2	.4	2.6	1.2	2.[illegible]	.2										56	56	2	
5/ 55		.4	.6	1.6	1.3	2.5	1.2	.8	.1									71	71	5	
4/ 53		.2	1.1	1.7	.7	3.3	.1	.5										64	64	1[illegible]	4
/ 51		.5	1.6	2.7	3.9	3.[illegible]	.2	.1										101	101	77	4
/ 49		1.8	3.5	2.7	3.[illegible]	1.6	.5											109	109	97	13
/ 47		2.5	2.7	5.3	3.2	.6	.7	.1										127	127	89	2[illegible]
/ 45		2.[illegible]	3.6	3.3	2.3	.6	.2											101	101	119	2[illegible]
47/ 43		2.[illegible]	2.4	2.3	.5	.6												66	66	176	57
2/ 41		.6	2.[illegible]	1.[illegible]	.4	.1												36	36	151	64
/ 39		1.3	1.2	.4	.6													59	59	1[illegible]	35
/ 37		.4			.1													4	4	67	[illegible]
/ 35		.1	.1	.2	.1													5	5	9[illegible]	101
3/ 33		.1																1	1	6	112
/ 31																				7	84
/ [illegible]																				3	63
/ 27																					36
/ 25																					27
/ 23																					6
2/ 21																					1[illegible]
/ 1																					12
/ 17																					7
/ 15																					1[illegible]
/ 11																					2
TOTAL		10.2	19.2	21.7	19.7	14.5	7.3	3.5	1.6	.2									837		837
																		837		837	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3146579	49971	59.5	16.838	837							
Dry Bulb	2123153	41867	50.[illegible]	5.885	837			.1				97
Wet Bulb	1[illegible]2732	36422	43.5	4.566	837		1.1					97
Dew Point	1[illegible]89280	29632	35.4	7.101	837		29.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OL A AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS WA	73-81	MAR

PAGE 1 HOURS [illegible] S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 61						.1	.1	.1	.1									4	4		
/ 59					.1	.4	.2											6	6		
/ 57			.4	.2	.2	.4	.2	.1										13	13		
5 / 55		.4	.4	.5	.7	.5	.5											24	24		
4 / 53		.2	.7	.8	1.6	.6	.2	.2										37	37	6	3
/ 51		.5	3.3	2.8	1.2	.7	.1	.1										73	73	12	3
5 / 49		2.9	4.2	1.6	3.	.1	.1											99	99	26	6
/ 47	.2	2.2	3.9	3.5	2.4	.7												108	108	55	16
4 / 45	.1	3.2	4.3	3.7	1.2	.5	.1											127	127	99	36
4 / 43		3.9	6.1	4.1	.6	.4												128	128	101	55
3 / 41	.1	2.9	4.8	2.9	.5	.4												96	96	152	79
/ 39		2.6	3.6	.7	.4													61	61	132	73
2 / 37		1.6	2.[illegible]		.2													32	32	109	94
/ 35	.2	.7	.4	.1														14	12	60	117
3 / 33		.[illegible]	.1	.4														10	10	32	107
/ 31			.1	.2														3	3	1[illegible]	94
/ 29			.4															3	3	4	50
/ 27																				7	22
/ 25																				2	16
/ 23																					8
2 / 21																					9
/ 19																					5
/ 17																					14
/ 15																					2
TOTAL	.2	21.8	36.7	21.4	12.3	4.7	1.7	.6	.1									836		876	836

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	413275	575[illegible]1	6[illegible].3	14.45[illegible]	836							
Dry Bulb	17[illegible]3674	38362	4[illegible].9	5.287	836		.7					93
Wet Bulb	1453935	34542	41.4	4.7[illegible]	836		2.5					93
Dew Point	1[illegible]97475	29779	35.6	6.632	836		27.0					93

USAFETAC FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	DAY AAF/FT LEWIS WA	73-81	MAR

PAGE 1 21 0-2[illegible]
HOURS L.S.T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible]			.1															1		1		
[illegible]		.6			.1													6		8	1	1
[illegible]		.7	.6	.6	.4	.1												19		18	5	5
[illegible]		7.1	2.7	1.6	.1													43		47	6	3
[illegible]	.1	4.3	3.5	1.1	.2													77		77	19	17
[illegible]	.1	5.1	5.7	1.[illegible]	.2	.1												103		103	26	[illegible]
[illegible]	.1	4.1	6.9	1.9	.4													114		114	58	[illegible]
[illegible]	.4	6.2	9.7	1.[illegible]														146		146	[illegible]	[illegible]
[illegible]	.1	5.9	7.[illegible]	.5	.1													127		127	146	[illegible]
[illegible]	.1	5.6	3.2	.6	.1													81		81	145	[illegible]
[illegible]	.9	3.3	1.4															47		47	177	132
[illegible]	.1	1.9	1.1	.2														28		28	95	117
[illegible]		1.[illegible]	.6															16		15	72	113
[illegible]		.2	.7															8		8	13	14
[illegible]		.4	.2															5		6	7	[illegible]
[illegible]																					[illegible]	11
[illegible]																					1	9
[illegible]																						6
[illegible]																						1
[illegible]																						
[illegible]																						7
TOTAL	2.3	43.3	43.6	8.2	1.3	.2													837			837
																		837			837	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]137452	65 [illegible]	77.7	[illegible].175	837							
Dry Bulb	15 [illegible]	35705	47.1	4.946	837		3.2					93
Wet Bulb	131[illegible]53	32[illegible]69	39.3	4.563	837		7.[illegible]					93
Dew Point	1[illegible]0835	29649	35.4	6.[illegible]48	837		28.1					93

USAFETAC FORM AX 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | [illegible] | [illegible] | [illegible] | [illegible]
STATION | STATION NAME | YEARS | MONTH

[illegible] | ALL
HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 5[illegible]								•		•[illegible]								[illegible]	[illegible]		
5/ 5[illegible]								•	•1									1[illegible]	1[illegible]		
4/ [illegible]					•	•	•1	•1	•1	•[illegible]								[illegible]	[illegible]		
/ [illegible]		•	•	•[illegible]	•1	•1	•2	•1	•1									[illegible]	[illegible]		
/ [illegible]			•	•[illegible]	•1	•4	•[illegible]	•1										[illegible]	[illegible]		
/ [illegible]			•2	•2	•4	•[illegible]	•[illegible]	•1										1[illegible]	1[illegible]		
/ [illegible]		•[illegible]	•4	•[illegible]	•[illegible]	•5	•[illegible]	•1	•[illegible]									[illegible]	[illegible]		
/ [illegible]	•	•[illegible]	•4	•[illegible]	•[illegible]	•[illegible]	•1	•1										211	211	4[illegible]	•1
/ [illegible]	•1	•4	1.2	1.4	1.4	•[illegible]	•1	•										[illegible]	[illegible]	[illegible]	[illegible]
/ [illegible]	•1	1.[illegible]	[illegible].3	1.[illegible]	1.6	•4	•1											544	544	21[illegible]	[illegible]
/ 47	•1	3.2	3.[illegible]	[illegible].8	1.[illegible]	•[illegible]	•1	•										[illegible]	[illegible]	4[illegible]1	[illegible]
/ 4[illegible]	•1	4.[illegible]	4.6	2.1	•[illegible]	•2	•1											756	756	[illegible]	[illegible]
4/ 4[illegible]	•[illegible]	3.[illegible]	4.[illegible]	2.1	•4	•[illegible]	•											756	756	7[illegible]8	7[illegible]7
/ 4[illegible]	•2	4.6	5.[illegible]	1.1	•[illegible]	•1												[illegible]	[illegible]	[illegible]	[illegible]
/ [illegible]	•3	4.5	4.2	•3	•[illegible]													[illegible]	[illegible]	10[illegible]	[illegible]
/ [illegible]	•2	4.6	1.[illegible]	•2	•1													475	475	[illegible]	[illegible]
/ [illegible]	•4	3.[illegible]	•[illegible]	•[illegible]	•[illegible]													[illegible]	[illegible]	6[illegible]	[illegible]
3 / [illegible]	•[illegible]	2.[illegible]	•4	•[illegible]														[illegible]	[illegible]	4[illegible]	[illegible]
/ [illegible]	•4	[illegible]	•[illegible]	•[illegible]														1[illegible]1	1[illegible]1	[illegible]	[illegible]
/ [illegible]	•[illegible]	1.[illegible]	•[illegible]	•1														1[illegible]	[illegible]	1[illegible]1	[illegible]
/ [illegible]	•[illegible]	•4	•1															[illegible]	[illegible]	[illegible]	[illegible]
/ [illegible]	•1	•4	•															[illegible]	[illegible]	54	1[illegible]
/ [illegible]	•1	•1	•[illegible]															[illegible]	[illegible]	74	[illegible]
[illegible]/ [illegible]		•1																[illegible]	[illegible]	5	[illegible]
/ [illegible]																				[illegible]	7[illegible]
/ [illegible]																					4[illegible]
/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
1 / [illegible]																					[illegible]
TOTAL	•23	•23	•[illegible]4	•1	•[illegible]	3.[illegible]	1.7	•7	•3	•3								6695	6695	6695	6695

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum.	[illegible]3311[illegible]	489961	73.214	[illegible].26	6695							
Dry Bulb	1313511[illegible]	292941	43.8	6.866	6695		4[illegible].[illegible]	•[illegible]				744
Wet Bulb	1[illegible]33946	267978	4[illegible].1	5.[illegible]70	6695		64.[illegible]					744
Dew Point	852478	275[illegible]51	3[illegible].1	6.364	6695		248.[illegible]					744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	GRAY AAF/FT LEWIS WA	[illegible]	[illegible]
STATION	STATION NAME	YEARS	MONTH

[illegible]
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / [illegible]								.[illegible]										1	[illegible]		
[illegible] / [illegible]						.1		.[illegible]										[illegible]	[illegible]		
[illegible] / [illegible]				.[illegible]	.[illegible]	.1												1	1		
[illegible] / [illegible]	.[illegible]	.[illegible]	1.1	.[illegible]	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]		.4	1.[illegible]	.[illegible]	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]		.1	2.[illegible]	1.7	.1													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]		7.7	4.6	1.2														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 4		[illegible].[illegible]	[illegible].9	.6														[illegible]	4	[illegible]	[illegible]
[illegible] / [illegible]	.1	5.3	[illegible].3	.5														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]	.5	7.7	5.8	.5														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]	.[illegible]	[illegible].1	5.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]	.[illegible]	6.[illegible]	[illegible].7															[illegible]	79	[illegible]	[illegible]
[illegible] / [illegible]	.5	5.2	.7															[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]		[illegible].7																[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]	.4	.9																1	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]	.[illegible]	.1																[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					[illegible]
[illegible]	.1	2.6	33.[illegible]	6.7	1.[illegible]	.2		.4										[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]3427	64[illegible]8	8[illegible].[illegible]	[illegible].256	[illegible]							
Dry Bulb	15[illegible]7[illegible]	34[illegible]2	4[illegible].[illegible]	5.[illegible]14	81		[illegible].[illegible]					[illegible]
Wet Bulb	1[illegible]31[illegible]2[illegible]	[illegible]	4[illegible].[illegible]	4.[illegible]17	[illegible]		[illegible].[illegible]					[illegible]
Dew Point	112[illegible]757	[illegible]9932	37.[illegible]	5.[illegible]2[illegible]	81		18.1					[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM AM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PART I | HOURS L.S.T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]								[illegible]										[illegible]	[illegible]		
[illegible]				[illegible]				[illegible]										[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]															115	118	54	56
[illegible]	[illegible]	[illegible]	4.1															112	112	114	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]															[illegible]	[illegible]	107	94
[illegible]	[illegible]	7.7	[illegible]															[illegible]	[illegible]	105	[illegible]
[illegible]	[illegible]	7.3	1.4															76	76	[illegible]	134
[illegible]	[illegible]	5.7																49	49	77	96
[illegible]	[illegible]	3.7																34	34	47	[illegible]
[illegible]	[illegible]	[illegible]																[illegible]	[illegible]	[illegible]	6
[illegible]	[illegible]																	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]											[illegible]		[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible] 2704	[illegible]	[illegible]	[illegible]	81							
Dry Bulb	1[illegible]257	[illegible]	41.1	5.516	[illegible]		5.6					9
Wet Bulb	1247528	[illegible]	38.9	5.063	81[illegible]		9.9					9
Dew Point	1[illegible]6264	[illegible]	36.1	5.354	81[illegible]		24.[illegible]					95

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

PAGE [illegible] HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]					.1			.1										4	4		
[illegible]		.1	.2	.5	.1	.2												[illegible]	[illegible]	[illegible]	1
[illegible]		.2	.4	.5			.1											[illegible]	1	[illegible]	
[illegible]	.1	.5	1.2	.5	.4													[illegible]	[illegible]	[illegible]	13
[illegible]		1.1	3.[illegible]	1.6	.5													[illegible]	[illegible]	16	6
[illegible]		4.[illegible]	7.2	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		5.5	5.8	.6														101	[illegible]		[illegible]
[illegible]		7.7	8.4	.9														[illegible]	[illegible]	[illegible]	49
[illegible]	.1	[illegible]	7.7	.6														142	142	[illegible]	[illegible]
[illegible]	.1	7.4	3.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	4.6	1.[illegible]															56	55	117	[illegible]
[illegible]	.1	4.1	1.1															44	44	6	143
[illegible]	.1	3.8																[illegible]	[illegible]	46	89
[illegible]	.4	1.4																14	14	[illegible]	64
[illegible]	.1	.5																8	8	12	[illegible]
[illegible]	.1																	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					9
TOTAL	.2	1.2	3.5	8.[illegible]	1.1	.2	.1	.1										[illegible]	[illegible]		91
																		91[illegible]		81	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	54491	[illegible]	6.199	81[illegible]							[illegible]
Dry Bulb	[illegible]	34835	47.8	5.345	81[illegible]		[illegible]					[illegible]
Wet Bulb	132922	[illegible]	4[illegible]	4.763	81[illegible]		[illegible]					[illegible]
Dew Point	112924[illegible]	29971	3[illegible]	5.[illegible]	81[illegible]		16.1					[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS WA	73-81	APR

PART [illegible] HOURS [illegible] S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 71									.1									1	1		
/ 67				.1				.4	.1	.1								6	6		
/ 65				.1			.2	.2										7	7		
/ 63			.1			.6	.4	.2	.1									12	12		
/ 61			.2		.1	.9	.1	.1	.1									13	13	1	
/ 59		.1	.1	.1	.2	.7	.4	.1										19	19	4	
/ 57		.1	.1	1.[illegible]	1.[illegible]	1.2	.4											38	38	1	
/ 55		.2	.5	1.7	2.[illegible]	1.1	.2											62	62	6	4
/ 53		.2	1.1	3.7	2.6	1.7												72	72	26	7
/ 51		.1	1.5	4.3	2.1	.6												81	81	39	[illegible]
/ 49		.7	4.4	7.7	2.6													176	176	[illegible]	[illegible]
/ 47		1.5	4.2	7.2	1.5													123	123	[illegible]	.1
/ 45		3.5	7.5	4.1	.5													175	175	175	48
/ 43		2.5	5.7	1.2														77	77	156	57
/ 41	.1	1.4	2.2	.1														71	71	172	112
/ 39		.7	.5															12	12	22	115
/ 37		.1	.1															[illegible]	[illegible]	[illegible]	[illegible]
/ 35	.1	.1																2	2	4	1[illegible]
/ 33																				1	[illegible]
/ 31																					41
/ [illegible]																					21
/ [illegible]																					3
TOTAL	.3	12.5	24.8	30.6	16.2	6.9	2.7	1.1	.5	.1								817	817	817	817

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	36[illegible]5745	53739	66.3	12.703	81[illegible]							
Dry Bulb	2 32357	4[illegible]21	4[illegible].8	5.583	81[illegible]			.9				9[illegible]
Wet Bulb	161[illegible]682	36 56	44.5	4.145	81[illegible]							9[illegible]
Dew Point	1219485	31187	38.5	4.8[illegible]9	81[illegible]		7.4					9[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS [illegible]	[illegible]-81	APR

PAGE [illegible]

HOURS (L.S.T.) [illegible]-14[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 7												.1						1	1		
7 / 77											.1							1	1		
[illegible] / 75											.1							1	1		
[illegible] / 73								.1		.2	.2							5	5		
[illegible] / 4[illegible]							.[illegible]	.1	.4	.2								5	5		
[illegible] / 69						.1	.4	.1	.1									5	5		
[illegible] / 67					.6	.1	.6	.7	.6									22	22		
[illegible] / 65				.1		1.1	1.0	.6	.6									23	23		
[illegible] / 63			.1		.4	1.2	1.2	1.[illegible]	.1									33	33		
[illegible] / [illegible]				.1	1.4	1.2	1.2	1.1	.2									49	49		
[illegible] / 59		.1	.2		.9	2.7	1.1	.7	.2									49	49	7	
[illegible] / 57		.4	.4	.6	2.8	2.2	1.6	.1										56	56	1[illegible]	6
5 / [illegible]			.4	1.9	3.7	2.5	.7											74	74	[illegible]	[illegible]
4 / 53		.4	1.4	7.1	3.8	2.8	.2											95	95	9[illegible]	7
[illegible] / 51			1.[illegible]	4.4	4.[illegible]	2.1	.1											105	105	9[illegible]	[illegible]
[illegible] / 4[illegible]		.5	2.[illegible]	7.2	5.1	.6												1[illegible]	1[illegible]	1[illegible]	1[illegible]
[illegible] / 47	1.4	5.7	7.2	.9														96	96	111	[illegible]
[illegible] / 45	2.[illegible]	3.7	.7	.2														94	94	142	[illegible]
47 / 43	1.2	1.7	.2															[illegible]	[illegible]	149	81
2 / 41	.1	.9	.1															[illegible]	[illegible]	[illegible]	1[illegible]5
[illegible] / [illegible]	.2																	[illegible]	[illegible]	[illegible]	1[illegible]1
7 / [illegible]	.1																	1	1	[illegible]	11[illegible]
[illegible] / [illegible]	.1																	1	1		11[illegible]
7 / 73																				[illegible]	7[illegible]
[illegible] / 31																					6[illegible]
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					9
[illegible] / 25																					1
[illegible] / 23																					1
[illegible] / 21																					1
TOTAL	.1	.4	14.9	20.4	24.7	16.0	9.4	4.7	2.2	.5	.5	.1							81[illegible]		81[illegible]
																		81		81[illegible]	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]	46601	57.51	4.465	81[illegible]							
Dry Bulb	241254	43914	54.2	6.895	817			4.9	.0			[illegible]
Wet Bulb	173367	[illegible]	46.4	4.645	81[illegible]							[illegible]
Dew Point	12346[illegible]	[illegible]	35.7	5.492	81[illegible]		11.[illegible]					[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE AUG 64

GLOBAL CLIMATOLOGY BRANCH
CONFIDENTIAL
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]7	RAY AAF/FT LEWIS, WA	73-81	APR

PAGE 1 HOURS 1[illegible]-17[illegible] S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 75												.1						1	1		
7 / 73												.5						4	4		
/ 71									.3			.3						4	4		
/ 69								.3	.4	.1	.6	.1						12	12		
/ 67					.1	.1	.3	.7		.1								11	11		
/ 65					.1			.6		.3	.1							9	9		
/ 63					.1		.3	1.6	.6	.1								26	26		
/ 61						.1	1.1	1.1	2.1	.1								37	37		
4 / 59					.1	1.2	1.1	1.4	.6	.5								47	47	1	
/ 57				.1	1.3	1.9	.3	1.9	.6									51	51	3	
/ 59		.5	.6	.2	.5	2.3	1.1	1.2	.1									52	52		
7 / 57				.3	2.5	3.2	2.6	.6										53	53	16	
5 / 55			.4	1.3	3.1	2.[illegible]	2.6											75	75	[illegible]	5
/ 53		.5	.6	2.8	2.[illegible]	3.1	1.[illegible]											81	81	50	4
/ 51		.4	1.5	1.3	3.7	2.[illegible]												73	73	56	4
/ [illegible]		.9	2.[illegible]	4.1	4.3	1.[illegible]												105	105	94	[illegible]
/ 47		1.5	4.3	2.8	.6	.2												77	77	173	26
/ 45		1.5	3.1	1.1														45	45	116	46
4 / 43		.5	.3	.2														13	13	173	71
7 / 41		.4	.1															4	4	98	1[illegible]1
/ [illegible]	.1	.5	.2															8	8	14	96
7 / 37		.3																3	3	13	97
/ 35																				1	11[illegible]
7 / 33																					63
/ 31																					34
/ 29																					51
/ [illegible]																					11
/ 25																					9
/ 23																					5
2 / 21																					1
TOTAL	.1	5.7	14.7	15.1	18.7	16.9	11.4	9.4	4.7	1.2	.7	1.7							817		817
																		817		817	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	25,711	44289	54.7	16.901	81[illegible]							
Dry Bulb	3523-56	44604	55.3	7.515	815			7.4	2.3			9[illegible]
Wet Bulb	151,873	38115	47.1	4.631	815							9[illegible]
Dew Point	1192794	30714	37.9	5.930	815		17.9					9[illegible]

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] DAY AAF/FT LEWIS WA [illegible] APR
STATION STATION NAME YEARS MONTH

HOURS [illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											.1							[illegible]	[illegible]		
[illegible]									.1	.2	.1							[illegible]	[illegible]		
[illegible]						.1		.4		.2								[illegible]	[illegible]		
[illegible]							.2			.1								[illegible]	[illegible]		
[illegible]					.1		.4	.2	.2									[illegible]	[illegible]		
[illegible]						.1	.4	.1	.1	.1								[illegible]	[illegible]		
[illegible]				.1	.2	.4	.7	1.2	.4									21	21		
[illegible]				.1	1.2	.7	.4	.6	.4									[illegible]	[illegible]		
[illegible]		.2	.1	.2	1.2	1.2	1.5	.6	.1									[illegible]	[illegible]		
[illegible]		.4	.5	.7	1.4	2.2	1.6	.5										[illegible]	[illegible]		
[illegible]		.1	.5	1.5	1.6	2.3	1.4											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.2	1.4	2.3	2.1	2.2	.5											71	71	[illegible]	[illegible]
[illegible]		.6	2.3	2.5	2.6	3.[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7	3.6	3.1	3.3	.9												94	94	[illegible]	[illegible]
[illegible]		2.5	3.8	4.[illegible]	2.1	.4												156	156	155	[illegible]
[illegible]		3.[illegible]	5.2	3.3	.3													179	178	172	[illegible]
[illegible]	.1	2.8	3.5	1.2														[illegible]	[illegible]	138	[illegible]
[illegible]	.1	1.9	1.2	.6														[illegible]	31	144	[illegible]
[illegible]	.1	.4	.1															[illegible]	[illegible]	78	[illegible]
[illegible]	.2	.6	.1															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.2																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]	.7	14.1	23.3	19.9	16.2	12.6	7.4	3.5	1.4	.7	.2								[illegible]		[illegible]
																		810		810	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]374942	5[illegible]548	62.4	16.500	[illegible]							
Dry Bulb	21[illegible]38[illegible]	41595	51.4	6.844	[illegible]			[illegible].4	.5			[illegible]
Wet Bulb	16661[illegible]5	36546	45.[illegible]	6.624	[illegible]							[illegible]
Dew Point	11[illegible]1[illegible]94	3[illegible]716	37.9	5.7[illegible]3	[illegible]		16.4					[illegible]

USAFETAC FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	DAY AAF/FT LEWIS WA	73-81	APR

PAGE 1 HOURS L.S.T. 21[illegible]-27[illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 66										.1								1	1		
/ 67									.1									1	1		
6/ 68									.1									1	1		
6/ 69						.1												1	1		
/ 70						.1		.1										2	2		
/ 71			.1	.1	.6	.2	.1	.2										12	12		
/ 72		.1		.5	1.4	.2	.1											19	19	1	
F / 73	.1	.2	.5	1.4	1.[illegible]	.5	.1											31	31	3	4
/ 74	.2	.4	1.5	1.6	1.[illegible]	.8	.1											44	44	6	6
/ 75		1.2	2.6	1.5	1.1	.4												55	55	14	1[illegible]
5/ [illegible]		1.1	4.3	2.7	1.4	.4												67	67	52	9
/ 47		2.8	5.2	3.1	.6													95	95	[illegible]	[illegible]
/ 48		4.7	7.2	2.8	.5													123	123	89	34
4/ 49	.4	4.9	8.4	1.1														120	120	134	[illegible]
/ 41	.1	5.8	5.1	.7														95	95	141	51
/ [illegible]		4.3	4.3															72	72	125	112
3/ [illegible]		2.7	1.2															32	32	96	123
/ 33	.5	1.7	.4															51	51	58	112
3/ 32	.3	.2																4	4	13	113
/ 31	.1																	1	1	2	78
/ 30																					5[illegible]
/ 29																					3
/ 28																					1
TOTAL	1.[illegible]	.24	1.11	1.8.6	7.5	2.6	.3	.4	.2	.1								81[illegible]	81[illegible]	61[illegible]	81[illegible]

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4574856	[illegible]	74.1	12.3[illegible]	81[illegible]							
Dry Bulb	1743749	37731	46.1	5.671	81[illegible]		.1	.2				9[illegible]
Wet Bulb	1465[illegible]	34331	42.[illegible]	4.539	81[illegible]		.2					9[illegible]
Dew Point	1183377	30691	37.9	5.024	81[illegible]		12.8					9[illegible]

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	APR

PAGE 1 — HOURS L.S.T.: ALL

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]												.0						[illegible]	[illegible]			
7[illegible]											.0	.1						6	6			
[illegible]									.0		.0	.0						[illegible]	[illegible]			
[illegible]								.0	.1	.1	.1	.0						21	21			
[illegible]						.0	.1	.2	.1	.1								26	26			
[illegible]						.0	.1	.1	.0	.1	.0							19	19			
[illegible]				.1	.0	.0	.2	.4	.2	.0								63	63			
[illegible]				.0		.0	.4	.3	.4	.0								63	63			
[illegible]			.0	.0	.1	.4	.4	.4	.2	.1								109	109	1		
[illegible]			.0	.0	.4	.6	.4	.0	.2									140	140	11		
[illegible]		.1	.2	.1	.0	.9	.5	.4	.1									175	175	34		
[illegible]		.1	.1	.5	1.3	1.2	.8	.2										271	271	41	1	
[illegible]	.0	.2	.3	1.1	1.5	1.1	.5	.0										316	316	81	[illegible]	
[illegible]	.1	.6	1.0	1.8	1.5	1.3	.2											402	402	172	[illegible]	
[illegible]	.1	.7	1.8	[illegible]	[illegible]	.6	.3											482	482	271	44	
[illegible]	.0	1.0	3.1	3.7	2.3	.4												653	653	425	[illegible]	
47		2.5	5.2	3.[illegible]	.7	.1												656	656	594	146	
4[illegible]		3.9	5.4	1.7	.7													733	733	812	294	
47	.1	4.5	5.1	.7														676	676	1047	499	
4[illegible]	.2	4.6	3.4	.3														551	551	1128	7[illegible]4	
[illegible]	.1	4.1	2.1															412	412	744	836	
[illegible]	.0	2.8	1.0															282	282	547	1017	
35	.0	2.3	.4															[illegible]	[illegible]	[illegible]	967	
73	.1	1.9																1[illegible]5	1[illegible]5	2[illegible]0	718	
71	.2	.7																59	59	1[illegible]3	[illegible]	
[illegible]	.2	.1																22	22	55	753	
[illegible]	.2																	11	11	13	1[illegible]9	
[illegible]																					42	
[illegible]																					7	
21																					3	
TOTAL	1.[illegible]	29.8	27.0	14.5	11.[illegible]	7.0	3.9	2.5	1.1	.3	.2	.1							648[illegible]		648[illegible]	
																		648[illegible]		648[illegible]		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5329735[illegible]	452128	69.8	16.442	648[illegible]							
Dry Bulb	152[illegible]8643	310[illegible]49	47.9	8.011	648[illegible]		10.2	15.9	3.8			72[illegible]
Wet Bulb	122656[illegible]8	279662	43.2	5.502	648[illegible]		19.[illegible]					72[illegible]
Dew Point	[illegible]35611	243757	37.6	5.362	648[illegible]		124.4					72[illegible]

USAFETAC FORM 0-26-5 (OL A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: MAY

PAGE 1 HOURS: [illegible] L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]				.5	.2													6	6		
/ 59			.5	.1														5	5		
/ 57		.6	.2	.5	.2		.2											15	15		
5 / 55	.2	.5	.8	1.2	.2													26	29	[illegible]	[illegible]
/ 53		1.1	3.2	.6														41	41	17	9
/ 51		2.4	7.8	1.8														12[illegible]	12[illegible]	33	14
/ 49		3.6	8.8	1.9														1[illegible]	12[illegible]	[illegible]	2[illegible]
/ 47		7.9	8.1	2.5														15[illegible]	155	11[illegible]	57
/ 45		7.8	5.5	.1														13[illegible]	127	142	75
47 / 43		6.1	5.3															95	95	155	116
/ 41	.1	5.[illegible]	4.2	.1														79	79	1[illegible]	147
/ 39		4.7	1.8															64	64	37	1[illegible]
/ [illegible]	.1	1.2	.5															15	15	7	[illegible]
/ 35		.5																4	4	15	51
7 / 33																				7	4[illegible]
/ 31																					1[illegible]
/ [illegible]																					[illegible]
TOTAL	.1	41.6	47.7	9.5	.7		.2											837	[illegible]	877	9[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]340626	66568	79.5	7.914	837							
Dry Bulb	1875556	39424	47.1	4.723	837							93
Wet Bulb	1653427	37[illegible]27	44.2	4.297	837							93
Dew Point	1426127	34327	41.1	4.677	837		1.0					93

USAFETAC FORM AA 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	DAY AAF/FT LEWIS WA	73-[illegible]	MAY

PAGE [illegible] HOURS [illegible] S.T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				.1														1	1		
[illegible]		.1	.5															3	3	[illegible]	[illegible]
[illegible]		.2	.4	.6	.1	.2												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		1.1	1.2	.4														24	24	[illegible]	[illegible]
[illegible]		2.5	2.9	1.[illegible]	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		5.1	4.3	.8														51	51	[illegible]	[illegible]
[illegible]		1[illegible]	4.6	1.7														144	144	[illegible]	[illegible]
[illegible]		1[illegible]	4.4															1[illegible]	1[illegible]	154	67
[illegible]		7.4	5.7															1[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	.1	7.3	4.5															1[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]	.1	9.2	1.4															73	73	[illegible]	1[illegible]
[illegible]		[illegible]																46	46	[illegible]	[illegible]
[illegible]	.1	1.6	.6															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.4																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					34
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL	.4	.5	34.1	4.5	.4	.2												[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	56[illegible]5321	6877[illegible]	82.2	7.297	83[illegible]							
Dry Bulb	1[illegible]8171	[illegible]7435	4[illegible].3	4.75	837							93
Wet Bulb	1554323	[illegible]5933	4[illegible].9	4.46	837		.7					93
Dew Point	1369611	[illegible]3611	4[illegible].2	4.88	837		4.7					93

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	[illegible] AAF/FT LEWIS WA	[illegible]	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE [illegible] [illegible]
HOURS (L.S.T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						[illegible]												[illegible]	[illegible]		
[illegible]					[illegible]	.1												[illegible]	[illegible]		
[illegible]					[illegible]													[illegible]	[illegible]		
[illegible]			[illegible]	.2	[illegible]													[illegible]	[illegible]		
[illegible]		[illegible]	.2	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	1.4	[illegible]	.4													[illegible]	[illegible]	7	[illegible]
[illegible]		[illegible]	[illegible]	1.4	[illegible]													[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	2.4	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		2.6	[illegible]	[illegible]	[illegible]													[illegible]	126	[illegible]	[illegible]
[illegible]		[illegible]	1.2	4.5	[illegible]													177	177	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	.4														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]															41	41	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	.4															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]															9	9	[illegible]	[illegible]
[illegible]		[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					
[illegible]																					[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]													[illegible]		[illegible]
																		[illegible]		[illegible]	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]	[illegible]	77.4	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							93
Dew Point	1482314	[illegible]	[illegible]	4.498	837		.3					93

USAFETAC FORM [illegible] 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS WA	[illegible]	MAY

PAGE 1 [illegible]-11[illegible]
HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]									.1									1		1		
7 / 77									.1									1		1		
[illegible]								.1	.2									3		3		
[illegible]						.1	.2	.1										4		4		
[illegible]						.4	.7	.1										[illegible]		[illegible]		
[illegible]						.1	1.2		.1									[illegible]		[illegible]		
[illegible]					.1	.9	.6	.1										14		14		
[illegible]				.1	.2	1.2	.4	.1	.1									15		15		
[illegible]				.4	.7	1.4	.5	.1										27		27		
[illegible]		.2	.2	.7	1.3	1.7	.7	.2										36		36	[illegible]	
[illegible]		.3	.4	.9	3.2	1.4	.4											54		54	14	[illegible]
[illegible]		.5	.5	3.6	4.2	1.7	.1											81		81	38	[illegible]
[illegible]		.1	1.3	5.3	5.[illegible]	.8	.1											114		114	[illegible]	[illegible]
[illegible]		.4	4.1	6.9	5.7	.8												1[illegible]		1[illegible]	[illegible]	[illegible]
[illegible]		.3	5.6	9.4	2.5	.2												148		148	174	[illegible]
[illegible]		1.[illegible]	4.4	4.2	1.[illegible]													88		88	151	[illegible]
[illegible]		1.[illegible]	2.3	1.8														47		47	167	71
[illegible]		.8	1.5	.1														21		21	157	1[illegible]
47 / 47			.3															[illegible]		[illegible]	72	1[illegible]
[illegible]																					27	1.[illegible]
[illegible]																					[illegible]	145
7 / 77																						79
[illegible]																						45
7 / 73																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
TOTAL		[illegible].021	.532	.324	.110	.2	4.3	1.3	.7									[illegible]		[illegible]		837
																		837			837	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]551.56	[illegible]	[illegible]	11.542	837							
Dry Bulb	[illegible]551 48	46[illegible]54	55.[illegible]	5.636	837			4.8	1.[illegible]			53
Wet Bulb	[illegible]121	4[illegible]19	48.9	4.191	837							53
Dew Point	1547[illegible]29	[illegible]5773	42.[illegible]	4.756	837		.7					53

USAFETAC FORM AN 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											.1										
[illegible]								.1													
[illegible]									.4	.1	.1	.1									
[illegible]										.4	.1										
[illegible]									.2	.6											
[illegible]						.1		.2	.5	.4								[illegible]	[illegible]		
[illegible]							.1	.1	.5	.2	.2							[illegible]	[illegible]		
[illegible]						.1	.3	.1	.5	.2								[illegible]	[illegible]		
[illegible]					.1	.2	.5	1.1	.5	.1								[illegible]	[illegible]		
[illegible]					.1	.1	1.6	.2	.1	.2								[illegible]	[illegible]		
[illegible]				.1	.2	1.6	.2	1.2	.4									[illegible]	[illegible]		
[illegible]			.2	.2	.2	.3	1.6	.3	.1									[illegible]	[illegible]		
[illegible]		.1	.5	1.1	.7	3.6	1.7	.2										[illegible]	[illegible]		
[illegible]		.1	.2	.5	.7	3.8	.2											[illegible]	[illegible]		
[illegible]			.5	.2	.4	3.5	.3											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	1.0	3.3	5.1	3.1	.3											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	.3	4.3	7.3	1.2	.1											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	.1	.2	1.3	.2												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	.5	1.4	.7													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	1.9	.5														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.2	.4															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.2	.1															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mean No. of Hours with Temperature	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb			[illegible]	5.4	1.1		[illegible]
Wet Bulb			.1				[illegible]
Dew Point		1.1					[illegible]

USAFETAC FORM 0-26-5 (OL A) JAN 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					

USAFETAC FORM AN 64 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
WET BULB TEMPERATURE DEPRESSION (F)																					
[illegible]																					

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							

USAFETAC FORM AX 64 0-26 5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	MAY

PAGE 1 — 2100-2300 HOURS (L.S.T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
/ 7[illegible]							.[illegible]											1	1		
/ 6[illegible]							.[illegible]											[illegible]	[illegible]		
/ 6[illegible]							.[illegible]	.1										[illegible]	[illegible]		
/ 6[illegible]					.[illegible]	.[illegible]		.1										[illegible]	[illegible]		
/ [illegible]					.[illegible]	.4	.4											1[illegible]	1[illegible]		
/ [illegible]				.[illegible]	.[illegible]	.5	.[illegible]											1[illegible]	1[illegible]	1	
/ [illegible]		.[illegible]	.4	.6	.[illegible]	1.1	.[illegible]											[illegible]	[illegible]	[illegible]	
/ [illegible]		.[illegible]	.[illegible]	1.[illegible]	1.4	.2												34	34	7	
5 / [illegible]	.[illegible]	1.4	1.[illegible]	[illegible].7	[illegible].4	.4												[illegible]4	[illegible]4	[illegible]	[illegible]
/ [illegible]		1.9	4.1	4.5	1.[illegible]	.[illegible]												1[illegible]4	[illegible]4	32	[illegible]
/ [illegible]		[illegible].6	7.[illegible]	4.4	1.[illegible]													1[illegible]	1[illegible]4	[illegible]5	[illegible]
/ [illegible]		3.1	[illegible].2	3.[illegible]	.[illegible]													1[illegible]3	1[illegible]3	[illegible]9	[illegible]
/ 47		[illegible].6	5.3	[illegible].7	.1													1[illegible]4	1[illegible]4	145	[illegible]
/ 4[illegible]		7.7	[illegible].[illegible]	.7														[illegible]	[illegible]	1[illegible]	46
4 / 4[illegible]		[illegible].9	[illegible].2	.2														45	45	1[illegible]	1[illegible]
/ 4[illegible]	.1	2.4	[illegible].2	.1														4[illegible]	4[illegible]	[illegible]6	[illegible]
/ [illegible]		.[illegible]	.[illegible]															[illegible]	[illegible]	[illegible]	1[illegible]
/ [illegible]		.1																1	1	15	[illegible]
/ [illegible]																					[illegible]
3 / [illegible]																					2[illegible]
/ [illegible]																					[illegible]
/																					[illegible]
/ [illegible]																					[illegible]
[illegible]	.[illegible]	22.[illegible]	[illegible].9	[illegible].1	1[illegible].4	3.[illegible]	1.2	.[illegible]											[illegible]37		9[illegible]7
																		[illegible]37		8[illegible]7	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	4[illegible]54378	[illegible]98	7[illegible].[illegible]	11.[illegible]31	[illegible]37							
Dry Bulb	[illegible]16[illegible]33[illegible]	4236[illegible]	5[illegible].5	5.3[illegible]	[illegible]37			.[illegible]				9[illegible]
Wet Bulb	1[illegible]163[illegible]	3[illegible]51	45.4	4.2[illegible]	[illegible]37							[illegible]
Dew Point	14[illegible]3[illegible]65	35[illegible]72	41.[illegible]	4.727	837		1.[illegible]					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]AY AAF/FT LE[illegible]	[illegible]	MAY

PAGE [illegible] ALL
HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]										.[illegible]	.[illegible]		.	.				6	6		
[illegible]								.[illegible]	.[illegible]	.[illegible]			.[illegible]					4	4		
[illegible]									.1	.[illegible]	.[illegible]	.[illegible]						11	11		
[illegible]								.[illegible]	.[illegible]	.2	.1							[illegible]	[illegible]		
7 / 77								.[illegible]	.2	.2	.1	.1	.[illegible]					[illegible]	[illegible]		
/ 7[illegible]						.[illegible]		.1	.2	.1	.1							[illegible]	[illegible]		
[illegible]						.[illegible]	.[illegible]	.2	.2	.1	.1							4[illegible]	47		
/ 7[illegible]						.1	.2	.2	.3	.[illegible]	.[illegible]							54	54		
/ 69					.[illegible]	.1	.4	.4	.2	.[illegible]								[illegible]	[illegible]	.	
/ 67					.[illegible]	.3	.5	.4	.[illegible]	.1								117	117	[illegible]	
[illegible]				.[illegible]	.1	.5	.[illegible]	.4	.[illegible]	.[illegible]								14[illegible]	14[illegible]	[illegible]	
[illegible]			.[illegible]	.1	.4	1.2	.3	.[illegible]	.[illegible]									1[illegible]	[illegible]	[illegible]	
[illegible]		.1	.2	.[illegible]	1.[illegible]	1.7	.[illegible]	.1	.1									[illegible]3	[illegible]	[illegible]	
/ [illegible]		.[illegible]	.[illegible]	.4	1.4	[illegible].6	.[illegible]	.1										339	[illegible]39	1[illegible]	1
[illegible]		.5	.[illegible]	1.4	[illegible].2	1.5	.4											4[illegible]2	4[illegible]	1[illegible]	1[illegible]
[illegible]	.	1.[illegible]	1.[illegible]	[illegible].5	2.6	1.2	.											[illegible]	[illegible]5	2[illegible]	[illegible]
[illegible]		1.	[illegible]	3.3	[illegible].1	.6	.											[illegible]	[illegible]1	4[illegible]	[illegible]
[illegible]		1.4	5.3	3.7	1.[illegible]	.1												772	772	[illegible]	[illegible]
/ [illegible]		2.5	5.7	[illegible].7	.4													7[illegible]	7[illegible]	[illegible]	[illegible]
/ 47		4.4	5.	1.7	.[illegible]													745	745	11[illegible]	4[illegible]
/ 45		7.[illegible]	3.2	.3														4[illegible]	4[illegible]8	114[illegible]	775
4/ 43		2.7	[illegible].3	.1														3[illegible]1	741	[illegible]	[illegible]
/ 41	.	2.2	1.6	.[illegible]														[illegible]3	[illegible]3	4[illegible]	[illegible]
/ [illegible]	.	1.[illegible]	.[illegible]															1[illegible]4	1[illegible]4	[illegible]8	1[illegible]9
/ 37	.	1.1	.1															[illegible]1	[illegible]	1[illegible]4	[illegible]8
/ 35	.	.[illegible]	.1															[illegible]	[illegible]	72	543
3-/ 33		.[illegible]																3	[illegible]	[illegible]4	[illegible]66
/ 31																				[illegible]	112
/																					[illegible]
/ [illegible]																					4
/ 25																					1
TOTAL	.1	[illegible]2.[illegible]	2[illegible].6	16.7	11.5	9.[illegible]	4.3	[illegible].3	1.9	.[illegible]	.4	.1	.1	.[illegible]					6696		6696
																		6696		6696	

						Mean No. of Hours with Temperature						
Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3312[illegible]	458931	6[illegible].5	15.[illegible]16	6[illegible]							
Dry Bulb	19[illegible]72[illegible]9	35[illegible]335	52.9	7.991	6696			4[illegible].9	18.[illegible]	[illegible].4		744
Wet Bulb	15198971	3171[illegible]6	47.4	5.2[illegible]8	6696		.[illegible]	.4				744
Dew Point	11583447	2[illegible]0110	41.8	4.976	6696		15.4					744

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA [illegible]	[illegible]	[illegible]

PAGE [illegible] HOURS (L.S.T.) [illegible]

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				.	.														[illegible]		
[illegible]		.						.										[illegible]	[illegible]		
[illegible]		.2	.	.2	.2	.4	.												[illegible]		
[illegible]		.	.	.9	1.	.														4	
[illegible]		.	.1	7.6	.													[illegible]	[illegible]	[illegible]	
[illegible]	.1	2.	5.	.4	.	.1												1 1	1 1		
[illegible]	.	7.	11.2	7.2	.													[illegible]	[illegible]	4	
[illegible]	.	4.	9.	1.4														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		7.	.	1.2														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.4	4.	.														4	4	[illegible]	[illegible]
[illegible]		.	.2	.														1	[illegible]	[illegible]	175
[illegible]		.	.															[illegible]	[illegible]		[illegible]
[illegible]	.	1.2	.6															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.	.5																[illegible]	[illegible]		[illegible]
[illegible]		.1																[illegible]	[illegible]		[illegible]
[illegible]	.																	[illegible]	[illegible]		[illegible]
[illegible]																					
[illegible]																					
TOTAL	1.2	34.2	44.6	15.4	3.8	.6	.3	.1										[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7153471	64151	79.2	9.436	810							
Dry Bulb	2173314	41936	51.5	4.582	810							[illegible]
Wet Bulb	1722773	39337	45.6	3.947	810							[illegible]
Dew Point	1657422	36[illegible]	4[illegible].4	4.387	810		.1					[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE /MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

PAGE [illegible] HOURS [illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				[illegible]														[illegible]	[illegible]		
[illegible]		[illegible]		[illegible]			[illegible]											[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]		[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														114	114	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														131	131	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														151	151	159	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]														124	124	174	[illegible]
[illegible]		[illegible]	[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]														43	43	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]																	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]																	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]																	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																		[illegible]		[illegible]	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]

USAFETAC FORM AM 84 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: GRAY AAF/FT LEWIS WA YEARS: [illegible] MONTH: JUN

PAGE [illegible] HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 7[illegible]								.1										1	1			
7 / 6[illegible]						.2			.1									2	2			
7 / 6[illegible]				.2	.2	.2	.1	.1										7	7			
7 / 6[illegible]					.4	.1	.1	.1										6	6			
7 / 6[illegible]		.1		1.2	.2	.4	.1	.1										15	15			
7 / 6[illegible]		.4	.2	1.8	.8	.2												26	26	4		
7 / 6[illegible]		.9	1.1	1.2	1.6	.1												44	44	11	4	
7 / 6[illegible]		1.1	3.1	4.3	1.2	.1												79	79	22		
8 / 6[illegible]	.2	2.2	4.1	6.3	1.[illegible]	.1												131	131	32		7
7 / 5[illegible]		4.7	9.7	5.3	.2													163	163	32	21	
7 / [illegible]	.1	5.7	9.6	2.2	.1													144	144	154	57	
7 / [illegible]	.1	5.4	6.7	1.2														1[illegible]	1[illegible]	2[illegible]	116	
7 / 4[illegible]		2.2	2.[illegible]	.1														47	47	1[illegible]	1[illegible]	
7 / 4[illegible]		1.2	.6	.1														16	16	7[illegible]	1[illegible]3	
4 / 4[illegible]		.[illegible]	.6															9	9	71	11[illegible]	
7 / 3[illegible]		.2	.2															4	4	1	7[illegible]	
7 / [illegible]		.2																2	2	6	7[illegible]	
7 / [illegible]																				1	14	
7 / 3[illegible]	.1																	1	1	1	1	
7 / 3[illegible]																					1	
TOTAL	.[illegible]	.[illegible]	.[illegible]	.[illegible]	.6	1.6	.4	.5	.1										[illegible]		8 9	
																		809		8 9		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4[illegible]3275[illegible]	[illegible]1156	76.0	1[illegible].432	[illegible]09							
Dry Bulb	23[illegible]236	43444	53.[illegible]	4.621	[illegible]09			1.[illegible]				[illegible]
Wet Bulb	[illegible]21[illegible]	4[illegible]321	45.[illegible]	3.756	8[illegible]8							[illegible]
Dew Point	1[illegible]47764	37442	46.[illegible]	4.219	8[illegible]9							72

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	DAY AAF/FT LEWIS WA	[illegible]	[illegible]

PAGE [illegible]

HOURS [illegible] S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											.1							1	1		
[illegible]										.1								1	1		
[illegible]										.1								1	1		
7 / 77								.2	.4		.1	.1						7	7		
[illegible]							.4	.7	.4									1[illegible]	1[illegible]		
4 / 77						.4	.4	.2	.5	.1								1[illegible]	1[illegible]		
[illegible]					.2	.7	1.[illegible]	.1	.4									1[illegible]	1[illegible]		
[illegible]					.5	1.4	1.1	.5										2[illegible]	2[illegible]		
[illegible] / 67				.1	.7	1.1	.[illegible]	.4										23	2[illegible]		
[illegible] / [illegible]			.4	.2	.[illegible]	2.2	1.2											51	[illegible]	4	
4 / 6[illegible]		.1	.5	.4	.3	2.7	.4											46	46	[illegible]	
[illegible]		.3	1.[illegible]	2.7	.1	1.4	.2											64	64	[illegible]	
[illegible]		.2	.7	4.[illegible]	4.7	1.9	.7											1[illegible]	[illegible]	[illegible]	
[illegible]		.1	3.2	9.7	4.4	1.2	.1											142	142	[illegible]	[illegible]
5 / [illegible]		1.2	4.4	6.2	[illegible]	.6												1[illegible]1	1[illegible]1	[illegible]4	[illegible]
[illegible]		2.2	3.5	4.4	.6	.2												89	89	1[illegible]4	[illegible]
[illegible]		1.7	[illegible]	.7	.2													4[illegible]	4[illegible]	17[illegible]	[illegible]
[illegible]		.2	.7	.2	.1													11	11	144	116
[illegible] / 4[illegible]		.4	.7	.1														[illegible]	[illegible]	63	143
[illegible] / 4[illegible]																				[illegible]	1[illegible]
4 / 4[illegible]																				7	7[illegible]
[illegible] / 41																				1	[illegible]
[illegible]																					31
[illegible]																					[illegible]
[illegible] / 7[illegible]																					[illegible]
7 / 7[illegible]																					4
TOTAL		.1	.9	26.0	24.1	12.8	5.8	2.7	1.6	.4	.2	.1						[illegible]	[illegible]		[illegible]
																		81[illegible]		81[illegible]	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]537332	5[illegible]	64.9	12.[illegible]34	81[illegible]							
Dry Bulb	[illegible]3473	4[illegible]49	59.6	6.[illegible]45	81[illegible]			11.6	[illegible]	[illegible]		[illegible]
Wet Bulb	2288667	42027	53.7	4.114	81[illegible]							[illegible]
Dew Point	1323034	38217	47.2	4.659	81[illegible]							[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

PAGE [illegible] HOURS L.S.T. [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
WET BULB TEMPERATURE DEPRESSION (F)																					
[illegible]													.1					[illegible]	[illegible]		
[illegible]													.1					[illegible]	[illegible]		
[illegible]									.1		.1	.2						[illegible]	[illegible]		
[illegible]									.1	.2	.1	.1						[illegible]	[illegible]		
[illegible]									.4	.1	.9	.5						[illegible]	[illegible]		
[illegible]							.1	.5	.5	.2	.4	.1						[illegible]	[illegible]		
[illegible]							[illegible]	1.[illegible]	.4	.5	.2							[illegible]	[illegible]		
[illegible]						.1	.9	1.0	.9	.9								[illegible]	[illegible]		
[illegible]						.1	1.0	1.4	.7	.2	.1							[illegible]	[illegible]		
[illegible]						.9	[illegible].3	1.2	.1	.1								[illegible]	[illegible]		
[illegible]				.5	.1	.6	[illegible]	1.0	.2									44	44	[illegible]	
[illegible]			.1	.2	.5	2.0	1.9	.5	.2									47	47	4	
[illegible]				.2	1.7	3.5	2.1	.7										67	67	[illegible]	
[illegible]		.1	.9	1.4	4.2	4.3	1.7	.4										[illegible]	[illegible]	[illegible]	
[illegible]		.4	.9	[illegible].2	4.[illegible]	[illegible]	1.2	.5										[illegible]	[illegible]	[illegible]	
[illegible]		.3	1.[illegible]	4.4	3.6	2.2	1.4											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7	[illegible].1	[illegible].5	3.1	.7	.2											84	84	[illegible]	[illegible]
[illegible]		1.0	1.7	3.[illegible]	.5	.6												63	63	109	34
[illegible]		.4	1.[illegible]	.5	.1	.5												[illegible]	22	165	67
[illegible]		.5	.2	.4	.1													[illegible]	[illegible]	125	54
[illegible]			.5															5	5	66	[illegible]
[illegible]																				[illegible]	143
[illegible]																				[illegible]	[illegible]
[illegible]																				[illegible]	54
[illegible]																					56
[illegible]																					[illegible]
[illegible]																					24
[illegible]																					14
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL		4.2	[illegible].5	16.[illegible]	19.4	18.4	15.[illegible]	8.4	3.[illegible]	3.[illegible]	1.9	1.[illegible]	.2					810	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]63331	45[illegible]31	55.5	14.502	810							
Dry Bulb	[illegible]37455	51973	64.2	7.261	810			[illegible].[illegible]	13.[illegible]	[illegible].5		[illegible]
Wet Bulb	24[illegible]167	44693	55.[illegible]	4.428	810			.5				[illegible]
Dew Point	1[illegible]49424	38474	47.5	5.210	810		.[illegible]					[illegible]

USAFETAC FORM 0-26-5 (OL A) JUN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT [illegible]	73-81	[illegible]

PAGE 1 HOURS [illegible] S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]												.1						1	1		
/ 8[illegible]											.1			.1	.1			3	3		
[illegible] / 87										.1	.2				.1			4	4		
/ [illegible]										.5	.4	1.0						15	15		
/ [illegible]								.2	.1	.2	.2	.4						1[illegible]	1[illegible]		
/ [illegible]								.1	.6	.5	.2	.1	.2					15	15		
/ 7[illegible]									.7	.4	.4	.1						17	17		
7 / 77							.2	.5	1.4	1.7	.5							35	35		
/ 7[illegible]						.1	.2	.2	1.6	.8	.4							33	33		
/ 7[illegible]					.2	.2	1.4	1.9	1.1	.5								43	43		
/ 7[illegible]				.4	.4	.5	1.4	1.7	.4	.2								4[illegible]	4[illegible]		
/ 69					.1	1.4	2.2	.6	.6	.1								41	41	6	
/ 67				.2	.5	1.7	3.1	1.	.7									59	59	13	
/ 65			.5	.6	2.3	3.6	2.2	.2	.2									54	54	15	
/ 63			.2	1.2	4.4	3.2	1.5	.7	.2									73	73	28	
/ 61		.4	1.2	.6	4.3	3.2	1.7	.7										97	97	57	3
/ 59		.5	1.1	2.6	4.8	1.7	.6	.4										88	88	98	14
/ 57		.5	1.7	3.1	1.9	1.7												62	62	118	17
5 / 55		1.1	1.6	1.2	.2	.2												28	28	116	43
4 / 53		1.2	.6	.2	.2													19	19	177	41
/ 51	.1	.5	.6		.2													11	11	143	68
/ 4[illegible]			.5															4	4	45	132
/ 47			.2															2	2	95	135
/ 45																				6	121
4 / 43																				2	73
2 / 41																					45
/ 39																					21
/ 37																					26
/ 35																					16
3 / 33																					9
/ 31																					4
/ 29																					1
TOTAL	.1	4.2	4.1	9.6	19.8	16.2	14.7	9.6	7.8	5.2	2.5	1.7	.2	.1	.2			81[illegible]	81[illegible]	61[illegible]	81[illegible]

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2[illegible]3/414	43523	53.7	15.768	81[illegible]							
Dry Bulb	3560168	533[illegible]4	65.8	8.046	81[illegible]			34.7	19.1	6.2		90
Wet Bulb	3[illegible]383 4	45186	55.9	4.664	81[illegible]			2.1				90
Dew Point	1641599	38357	47.4	5.584	81[illegible]		.6					90

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] FAY AAF/FT LEWIS WA — STATION — STATION NAME
73-81 — YEARS
JUN — MONTH
PAGE [illegible] — HOURS [illegible] S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / [illegible]										.1	.1	.2		.1				[illegible]	[illegible]		
/ [illegible]										.1	.2	.1						4	4		
/ [illegible]								.1	.1	.1	.2	.1	.1					7	7		
/ [illegible]								.1	.2	.1	.2		.1					7	7		
[illegible] / [illegible]							.1	.2	.5	.7	.1							15	15		
/ [illegible]							.1	.1	.6	.5	.2							17	17		
[illegible] / [illegible]							.1	1.1	1.1	.2	.1							25	25		
/ [illegible]				.2	.5	.6	.9	1.7	1.0	.2	.1							47	47		
/ [illegible]				.4	.1	.4	[illegible]	1.1	.5									32	32		
/ 67			.1		.1	1.4	.3	1.1	.4									32	32		
/ [illegible]			.4	.5	[illegible]	3.1	2.[illegible]	.6										67	67		
[illegible] / 6[illegible]		.4	.3	1.2	3.[illegible]	1.7	1.2	.1										55	54	1	
/ 5[illegible]			.5	[illegible].2	4.[illegible]	[illegible]	.6	.3										91	91	[illegible]	[illegible]
/ [illegible]		.5	1.[illegible]	3.[illegible]	4.[illegible]	1.7	.9											97	[illegible]	[illegible]	
[illegible] / [illegible]		.3	[illegible].1	5.1	[illegible].6	1.[illegible]												1[illegible]6	1[illegible]6	1[illegible]0	11
[illegible] / [illegible]		.5	1.3	[illegible].5	1.[illegible]	.[illegible]												[illegible]	[illegible]	1[illegible]1	3[illegible]
/ [illegible]		1.5	[illegible].2	1.6	.6													49	46	144	[illegible]
[illegible] / [illegible]		.9	.5	1.2	.1													[illegible]2	22	148	63
[illegible] / [illegible]		.6	.[illegible]	.1														13	13	[illegible]	145
/ 47		.1	.1	.1														[illegible]	[illegible]	45	145
[illegible] / 4[illegible]			.1															1	1	1[illegible]	131
4/ 4[illegible]			.1															1	1	[illegible]	[illegible]
/ 4[illegible]																				[illegible]	6[illegible]
[illegible] / [illegible]																				1	45
/ 3[illegible]																					26
/ 35																					1[illegible]
3 / 3[illegible]																					[illegible]
/ 31																					[illegible]
TOTAL		.6	11.7	20.1	21.2	14.1	11.1	7.2	4.4	2.2	1.5	.5	.2	.1				81[illegible]	81[illegible]	61[illegible]	81[illegible]

Element (X)	ΣX	ΣX^2	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3[illegible]74	477[illegible]	5[illegible].9	15.387	81[illegible]							
Dry Bulb	32[illegible]43[illegible]	5[illegible]63	5[illegible].5	7.296	81[illegible]			27.8	9.[illegible]	2.1		9[illegible]
Wet Bulb	23[illegible]452	43[illegible]62	54.[illegible]	4.35[illegible]	81[illegible]			.[illegible]				[illegible]
Dew Point	15[illegible]2244	37988	46.[illegible]	5.53	81[illegible]		.[illegible]					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
WET BULB TEMPERATURE DEPRESSION (F)																					
[illegible]								[illegible]										[illegible]	[illegible]		
[illegible]							[illegible]											[illegible]	[illegible]		
[illegible]						[illegible]		[illegible]	[illegible]									[illegible]			
[illegible]			[illegible]		[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]		
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											122	122	[illegible]	
[illegible]		1.4	4.2	6.9	1.4													112	112	[illegible]	[illegible]
[illegible]	.1	3.3	7.2	4.3	.6													[illegible]	[illegible]	116	43
[illegible]	.1	3.1	7.3	2.2	.5													[illegible]	[illegible]	159	[illegible]
[illegible]		1.[illegible]	3.7	1.9														[illegible]	9	184	[illegible]
[illegible]		1.7	1.5	.9														[illegible]	33	174	145
[illegible]		.6	.6															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.4	.1															[illegible]	4	[illegible]	[illegible]
[illegible]		.1																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					47
[illegible]																					35
[illegible]																					[illegible]
TOTAL	.[illegible]	.2[illegible]	1.[illegible]	.5[illegible]	1.[illegible]	[illegible]	[illegible]	1.1	.1									[illegible]	[illegible]	[illegible]	[illegible]
																		[illegible]		[illegible]	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]2113[illegible]	57614	71.1	12.33[illegible]	81[illegible]							
Dry Bulb	255[illegible]489	4[illegible]335	56.[illegible]	[illegible].11[illegible]	81[illegible]			[illegible].9	.1			[illegible]
Wet Bulb	211514[illegible]	41[illegible]75	51.[illegible]	3.836	81[illegible]							[illegible]
Dew Point	17547[illegible]9	37528	46.3	4.449	81[illegible]							[illegible]

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...TAC
AI... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

HOURS (L.S.T.) ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
TOTAL	.5	1.1	2.6	3.9	[illegible]	[illegible]	[illegible]	3.6	2.2	1.[illegible]	.[illegible]	.4	.1	.[illegible]	.			6479	6479	6479	6479

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	6[illegible]	[illegible]	6479							
Dr. Bulb	[illegible]	375323	57.9	[illegible]	6479			151.[illegible]	4[illegible]	17.[illegible]		[illegible]
Wet Bulb	[illegible]	[illegible]	51.[illegible]	5.219	6479			[illegible]				[illegible]
Dew Point	14132729	[illegible]	46.4	4.[illegible]95	6479		1.[illegible]					[illegible]

Mean No. of Hours with Temperature

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

WET BULB TEMPERATURE DEPRESSION (F)

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

WET BULB TEMPERATURE DEPRESSION (F)

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							

USAFETAC FORM JUL 64 0 26 5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	[illegible]	[illegible]

PAGE 1 [illegible]
HOURS (L.S.T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											[illegible]							[illegible]	1		
[illegible]									[illegible]	.2	.1							[illegible]	[illegible]		
[illegible]										[illegible]	.1							[illegible]	[illegible]		
[illegible]							[illegible]	.2	.4	[illegible]								[illegible]	[illegible]		
[illegible]						.1	[illegible]	1.4	.4									[illegible]	[illegible]		
[illegible]					.1	.5	[illegible]	1.2										[illegible]	[illegible]		
[illegible]					[illegible]	.4	[illegible]	.7	.1									[illegible]	[illegible]		
[illegible]					[illegible]	1.1	[illegible]	.5										[illegible]	[illegible]		
[illegible]				.4	[illegible]	[illegible]	[illegible]	.4										[illegible]	[illegible]	[illegible]	
[illegible]			.1	[illegible]	[illegible]	[illegible]	[illegible]	.2										[illegible]	[illegible]		
[illegible]			[illegible]	1.2	[illegible]	[illegible]	.5											[illegible]	[illegible]	[illegible]	
[illegible]		.1	[illegible]	4.4	4.5	1.3	.1											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]	[illegible]	1.1	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		1.1	[illegible]	[illegible]	[illegible]	.4												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	3.6	[illegible]													[illegible]	[illegible]	[illegible]	4
[illegible]		1.7	[illegible]	1.9	.4													[illegible]	[illegible]	167	[illegible]
[illegible]		[illegible]	.4	.2														[illegible]	[illegible]	147	[illegible]
[illegible]																				[illegible]	177
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]	[illegible]	.2																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.5	[illegible]	.6	.4								[illegible]		[illegible]
																		[illegible]		[illegible]	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	64.[illegible]	12.[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	6.[illegible]	[illegible]			[illegible]	9.[illegible]	1.[illegible]		[illegible]
Wet Bulb	[illegible]	4745[illegible]	[illegible]	3.[illegible]	[illegible]			[illegible]				[illegible]
Dew Point	[illegible]	427[illegible]	51.[illegible]	3.99[illegible]	[illegible]							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS L.S.T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL		1.5	4.5	13.7	20.8	16.7	15.1	11.5	9.6	4.2	2.2	1.7	.4	.1				837	837	837	837

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	503283	45779	54.7	12.681	837							
Dry Bulb	4[illegible]1 45	58741	69.3	7.438	837			54.7	30.7	1.7	.1	93
Wet Bulb	2[illegible]47 [illegible]9	49541	59.2	4.201	837			4.9				93
Dew Point	2243319	43153	51.6	4.305	837							93

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | DAY AAF/FT LEWIS WA STATION NAME | [illegible] YEARS | JUL MONTH

PAGE 1 | [illegible] HOURS L.S.T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																.2		[illegible]	[illegible]		
[illegible]														.4	.1			[illegible]	[illegible]		
[illegible]														.7				[illegible]	[illegible]		
[illegible]											.2		.1					[illegible]	[illegible]		
[illegible]											.5	1.7	.1					[illegible]	[illegible]		
[illegible]									.4	.2	1.7	.8	.2					[illegible]	[illegible]		
[illegible]								.1	.5	2.4	1.6	.1						[illegible]	[illegible]		
[illegible]							.2	1.0	.4	1.8	.5	.2						34	34		
[illegible]						.1	.2	1.1	1.4	1.7	1.0	.4						51	51		
[illegible]					.2	.2	.7	1.7	1.3	1.2	.1							[illegible]	[illegible]		
[illegible]						1.0	1.0	3.0	1.7	.4	.1							64	64		
[illegible]						.5	2.6	1.6	1.6	.5								44	44		
[illegible]			.1		.2	1.1	3.3	.8	.6	.2								[illegible]	57		
[illegible]				.2	1.4	3.0	2.8	1.2	.4									45	45	18	
[illegible]				.5	2.1	4.1	3.[illegible]	.6	.1									100	100	34	
[illegible]			.1	.2	3.2	2.[illegible]	2.[illegible]	.1										92	92	42	[illegible]
[illegible]		.1	.2	2.3	1.[illegible]	1.3	.4											54	54	98	[illegible]
[illegible]		.2	.5	1.2	2.5	.7												54	54	134	21
[illegible]		.1	.5	.6	.2	.1												12	12	141	38
[illegible]			1.1	.6	.1													14	14	135	57
[illegible]		.1	.5	.1	.4													6	6	[illegible]	66
[illegible]			.1															1	1	42	152
[illegible]																				11	147
[illegible]																				[illegible]	117
[illegible]																					48
[illegible]																					52
[illegible]																					42
[illegible]																					16
[illegible]																					9
[illegible]																					4
[illegible]		1.1	4.3	7.7	17.1	15.1	17.9	11.5	8.4	8.7	5.6	2.5	.5	1.1	.1	.2		[illegible]			837
																		877		877	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2317775	42467	50.71	13.769	837							
Dry Bulb	436116	60552	71.7	7.937	837			66.7	79.5	17.1	.7	93
Wet Bulb	335759	57257	68.1	4.171	837			[illegible]				93
Dew Point	2232317	43743	51.4	4.744	837							93

USAFETAC FORM AA 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: GRAY AAF/FT LEWIS WA YEARS: 73-81 MONTH: JUL

PAGE 1 HOURS L.S.T. [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]														.1	.1			[illegible]		[illegible]		
[illegible]														.5				[illegible]		4		
[illegible]												.1						[illegible]		[illegible]		
[illegible]												.2						[illegible]		[illegible]		
[illegible]										.4	.5	.1	.2					[illegible]		[illegible]		
[illegible]								.1	.2	.5	.7	.4						12		12		
[illegible]								.4	.7	1.1	.5							[illegible]		[illegible]		
[illegible]						.1	.4	.5	1.2	.5	.5							26		26		
[illegible]						.1	.2	2.2	1.2	.5	.1							41		41		
[illegible]					.1	.5	1.4	1.6	.8	.2	.2							44		44		
[illegible]						1.1	3.5	1.6	1.1	.4	.1							45		45		
[illegible]					.6	1.6	1.8	1.4	.5	.1								[illegible]		[illegible]		
[illegible]				.1	1.[illegible]	3.8	1.2	1.1	.1	.1								62		[illegible]	5	
[illegible]				1.1	7.1	4.1	2.2	1.2	.1									98		98	16	
[illegible]			.1	2.4	7.6	2.9	1.4	.4										92		92	45	
[illegible]			.1	7.9	3.1	2.5												81		81	79	[illegible]
[illegible]	.2	.7	2.5	3.2	3.6	1.3	.4											101		101	112	5
[illegible]		.6	1.5	2.3	1.9	.6	.1											67		67	145	24
[illegible]		.4	.7	1.7	1.[illegible]													71		71	159	55
[illegible]		.4	.7	.1	.1													11		11	117	[illegible]
[illegible]		.1		.4														4		4	97	156
[illegible]			.1															1		1	44	142
[illegible]																					5	1[illegible]
[illegible]																					[illegible]	83
[illegible]																						76
[illegible]																						41
[illegible]																						27
[illegible]																						8
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						1
TOTAL	.1	3.2	[illegible].3	15.7	18.5	18.9	17.9	9.9	6.7	4.4	2.6	1.4	.2	.5	.1			837		837	837	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	27[illegible]7841	46453	55.5	14.249	837							
Dry Bulb	3[illegible]6 5[illegible]	57529	68.4	7.541	837			5[illegible].1	26.9	2.9	.2	93
Wet Bulb	2[illegible]777 3	48957	58.5	4.115	837			2.6				93
Dew Point	2192347	42558	5[illegible].3	4.697	837		.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	[illegible]	JUL

PAGE [illegible] HOURS [illegible] S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]										.1								[illegible]	[illegible]		
7 / 77								.1	.1									[illegible]	[illegible]		
[illegible]							.1	.2	.1									[illegible]	[illegible]		
[illegible]						.6	.7	.2										[illegible]	[illegible]		
[illegible]					.1	1.1												[illegible]	[illegible]		
[illegible]				.2	1.1	1.4	.6	.1										[illegible]	[illegible]		
6 / [illegible]			.1	.7	2.4	1.7	.7											[illegible]	[illegible]		
[illegible]			.5	3.3	2.3	1.3	.1											[illegible]	[illegible]		
[illegible]			1.1	4.3	2.7	1.6	.2											[illegible]	[illegible]	[illegible]	
[illegible]	.4	.4	3.5	6.5	2.3	.7												122	122	64	
[illegible]		2.6	5.5	5.7	1.7	.5	.2											153	156	[illegible]	.5
[illegible]	.1	2.4	7.4	4.9	[illegible]	.1												141	141	144	37
[illegible]	[illegible]	1.1	[illegible]	3.2	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.6	[illegible]	1.7														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7	1.7															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	[illegible]															[illegible]	[illegible]	[illegible]	1.2
[illegible]		.2	[illegible]															[illegible]	[illegible]	[illegible]	11.7
[illegible]																				[illegible]	6.7
4 / [illegible]																					5.[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
3 / 73																					[illegible]
TOTAL	.6	8.1	21.2	32.5	15.7	8.6	4.1	.7	.2	.1								817	817		817

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	423958	58824	[illegible]	11.25	[illegible]							
Dry Bulb	[illegible]51[illegible]2	5[illegible]24	6[illegible]	5.50	837			1[illegible].5	2.[illegible]	.1		[illegible]
Wet Bulb	[illegible]55974	46136	55.[illegible]	3.695	837							[illegible]
Dew Point	[illegible]15323	42375	5[illegible].6	4.192	837							93

USAFETAC FORM 0-26-5 (OL A) AUG 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
A[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible]RAY AAF/FT LE[illegible]IS [illegible]A STATION NAME | 73-81 YEARS | JUL MONTH

PAGE [illegible] | ALL HOURS (L.S.T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																		[illegible]	[illegible]		
[illegible]														.1	[illegible]			[illegible]	[illegible]		
[illegible]													.2	.1				[illegible]	[illegible]		
[illegible]											.2	.2	.2					[illegible]	[illegible]		
[illegible]											.1	.3	.2					[illegible]	[illegible]		
[illegible]									.1	.2	.3	.1	.1					47	47		
[illegible]								.1	.2	.5	.4	.1						[illegible]	[illegible]		
[illegible]							.2	.2	.3	.5	.2	.2						65	[illegible]		
[illegible]						.5	.2	.3	.7	.4	.2	.2						127	127		
7 / [illegible]					.1	.1	.3	.6	.7	.3	.2							158	158		
[illegible]					.2	.3	.7	1.1	.4	.1	.1							137	137		
[illegible]				.2	.2	.6	1.6	.8	.4	.1	.2							245	245		
[illegible]				.2	.4	.7	1.4	.4	.2	.2								213	213		
[illegible]				.1	.2	2.2	1.1	.6	.1	.2								216	216	73	
[illegible]				.1	.6	2.1	2.1	1.2	.2	.2								421	421	[illegible]	
[illegible]		.1	.2	.2	1.9	2.5	1.4	.7	.1									464	464	[illegible]	[illegible]
[illegible]		.1	.6	2.1	2.8	2.1	1.3	.2										472	472	342	[illegible]
[illegible]	.1	.4	2.1	3.6	2.4	.5	.1											511	511	511	0
[illegible]	[illegible]	1.1	4.[illegible]	2.9	1.5	.3	.1											555	555	711	114
[illegible]	[illegible]	2.3	5.3	3.1	.9	.1												778	778	924	273
[illegible]	[illegible]	2.5	2.7	1.0	.2	.1												[illegible]	[illegible]	1048	611
[illegible]	[illegible]	2.7	3.1	.5	.1													[illegible]	[illegible]	1057	1117
[illegible]	[illegible]	1.5	2.3	.1	.1													289	289	517	1249
[illegible]	.1	1.4	1.3	.1														150	151	475	1093
[illegible] 47	.1	1.1	.3	.1														[illegible]	[illegible]	272	969
[illegible] 45	.1	.6	.1	.1														43	43	141	619
[illegible] 43	.1	.2																15	15	48	414
[illegible] 41	.1	.1	.1															6	6	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible] 37																				[illegible]	[illegible]
[illegible] 35																					[illegible]
7 / 33																					4
[illegible] 31																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	DAY AAF/FT LEWIS WA	73-[illegible]	JUL

PAGE [illegible] ALL HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.1	.4	24.5	[illegible]	11[illegible]	[illegible]	[illegible]	4.8	[illegible]	[illegible]	1.3	.4	.1	.2	.7	.1		6695	6695	6695	6695

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	65.8	16.295	6695							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	6695			[illegible]	[illegible]	[illegible]	[illegible]	744
Wet Bulb	[illegible]	[illegible]	55.[illegible]	5.[illegible]41	6695			14.[illegible]				744
Dew Point	[illegible]	[illegible]	[illegible]	4.375	6695		.1					744

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS [illegible]	73-81	AUG

PAGE [illegible]

HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						.1	.2											[illegible]	[illegible]		
[illegible]				.1		.2												[illegible]	[illegible]		
67			.1	.4	.1	.6												12	12		
[illegible]			.4	1.1	.7	.2												[illegible]	[illegible]		
[illegible]		.2	1.[illegible]	1.6	.7													[illegible]	[illegible]		
[illegible]		1.3	3.5	1.1	.4	.1												[illegible]	[illegible]		
59		.6	6.9	3.1	.4													134	134	[illegible]	[illegible]
[illegible]		7.8	12.6	1.8														155	155	[illegible]	[illegible]
65	.1	8.11	[illegible].2	2.9														173	172	173	[illegible]
63	.2	[illegible].6	5.9	.8														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		4.3	3.3	.1														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	1.7	1.6	.1														[illegible]	37	[illegible]	[illegible]
47		.7	.7	.1														11	12	4	[illegible]
45		.4	.2															[illegible]	[illegible]	[illegible]	63
[illegible]																				[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL	[illegible]	[illegible].846	[illegible].113	[illegible].3	[illegible].3	1.[illegible]	.2												[illegible]		836
																		836		836	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	556718	67854	81.2	8.815	836							
Dry Bulb	271338	47533	56.8	4.92	837			[illegible]				93
Wet Bulb	241471	44829	53.6	3.494	836							93
Dew Point	218715	42641	51.1	3.816	836							93

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: FAY AAF/FT LE[illegible] YEARS: [illegible] MONTH: [illegible]

HOURS: [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]			.1	.1																	
[illegible]		.1	.6	.4	.2													[illegible]	[illegible]		
[illegible]		1.2	1.4	.2	.2													3[illegible]	3[illegible]		
[illegible]		[illegible]	3.5	.7	.1													[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	.1	1.1	1.1	1.[illegible]	.2												1[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.1	.81	.3	1.[illegible]													1[illegible]	1[illegible]	1[illegible]	[illegible]
[illegible]	.1	8.3	4.4	.6														1[illegible]	1[illegible]	1[illegible]	1[illegible]
[illegible]	.6	5.9	1.1															8[illegible]	8[illegible]	1[illegible]	1[illegible]
[illegible]	.2	4.4	[illegible]															5[illegible]	5[illegible]	1[illegible]	[illegible]
[illegible]	.2	7.2	1.[illegible]															4[illegible]	4[illegible]	[illegible]	11
[illegible]	.2	1.4	.6															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7	.4															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.2	.1															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL	[illegible]	32.63	[illegible]	4.[illegible]	1.1													[illegible]	[illegible]	[illegible]	[illegible]
																		[illegible]		[illegible]	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	84.[illegible]	7.27	[illegible]							
Dry Bulb	[illegible]	[illegible]	54.[illegible]	[illegible]	[illegible]							[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS ... S. T.

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				
[illegible]						.1	.1												[illegible]		
[illegible]					.1	.1	.1	.2											[illegible]		
[illegible]							.1												[illegible]		
[illegible]					.1	.4													[illegible]		
67				.1	.1	.1													[illegible]		
[illegible]				.1	.2														[illegible]		
[illegible]		.1	.6	1.0	.2													[illegible]	[illegible]	[illegible]	
[illegible]		.5	.7	[illegible]	.1													[illegible]	[illegible]	[illegible]	
[illegible]	.1	4.1	7.2	1.6	.1													111	111	75	[illegible]
[illegible]	.4	9.91	[illegible]	7.1	.1													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.5	.7	.7	1.9														174	174	[illegible]	[illegible]
[illegible]	.4	7.6	4.9	.2														110	[illegible]	[illegible]	[illegible]
[illegible]	.5	7.3	1.8															[illegible]	[illegible]	176	164
[illegible]	.5	3.3	1.2															[illegible]	[illegible]	[illegible]	[illegible]
47	.1	1.3	.6															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	.5																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.5	.1															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1	.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL	[illegible]	41.34	1.3	1.8	[illegible]	.7	[illegible]	.2										[illegible]			917

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	572 729	688 [illegible]	8[illegible].2	9.817	837							
Dry Bulb	2621717	47716	56.5	4.525	837			[illegible]	1.[illegible]			93
Wet Bulb	24[illegible]697	44773	53.4	3.717	837							93
Dew Point	2105139	42744	51.1	3.324	837							93

USAFETAC FORM AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible] TAC
[illegible] SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	[illegible] AAF/FT LE[illegible]	7[illegible]		[illegible]
STATION	STATION NAME		YEARS	MONTH

[illegible] HOURS L.S.T.

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]										.[illegible]								[illegible]	[illegible]		
[illegible]										.[illegible]		.[illegible]							[illegible]		
[illegible]								.[illegible]	.2	.2	.1							[illegible]	[illegible]		
[illegible]								.1	.1	.1								[illegible]	[illegible]		
[illegible]							.[illegible]	.1	.[illegible]	.1								[illegible]	[illegible]		
[illegible]							.[illegible]	.[illegible]	.[illegible]									1[illegible]	1[illegible]		
[illegible]						.[illegible]	.[illegible]	.[illegible]	.[illegible]									[illegible]	[illegible]		
[illegible]						.1	.[illegible]	.[illegible]										[illegible]	[illegible]		
[illegible]						1.[illegible]	1.[illegible]	.1										[illegible]	[illegible]		
[illegible]					.[illegible]	1.6	.[illegible]											[illegible]	[illegible]		
[illegible]				.[illegible]	1.[illegible]	1.2	.[illegible]	.[illegible]										[illegible]	[illegible]	[illegible]	
[illegible]				.[illegible]	.[illegible]	1.[illegible]	.[illegible]											[illegible]	[illegible]	[illegible]	
[illegible]			.[illegible]	[illegible]	[illegible]	1.[illegible]	.[illegible]											[illegible]	[illegible]	[illegible]	
[illegible]		.2	1.[illegible]	6.2	3.[illegible]	1.[illegible]	.[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	7.4	[illegible]	[illegible]	.[illegible]												[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	[illegible]	4.7	1.[illegible]	.1												[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	1.[illegible]	.[illegible]														[illegible]	[illegible]	[illegible]	1.3
[illegible]	.[illegible]	1.1	.[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.[illegible]	.1															[illegible]	[illegible]		[illegible]
[illegible]																					[illegible]
[illegible]																				[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
[illegible]	.1	.2	.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	.1	.[illegible]							[illegible]		[illegible]
																		[illegible]		[illegible]	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	415[illegible]	[illegible]	6[illegible]	1[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	6[illegible].4	6.[illegible]	[illegible]			[illegible].6	[illegible]	[illegible]		[illegible]
Wet Bulb	[illegible]	4[illegible]	5[illegible]	[illegible].696	[illegible]			.3				[illegible]
Dew Point	23341[illegible]	441[illegible]	5[illegible]	[illegible].531	[illegible]							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	[illegible]	[illegible]	[illegible]
STATION	STATION NAME	YEARS	MONTH

[illegible] 1[illegible]-14
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.4	[illegible]	4.4	[illegible]	[illegible]	.3	[illegible]	[illegible]				[illegible]		[illegible]		[illegible]

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	7.794	837			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wet Bulb	[illegible]1425[illegible]	[illegible]	[illegible]	[illegible]	837			[illegible]	[illegible]			[illegible]
Dew Point	2374417	44487	53.1	3.[illegible]	837							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0265 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum	[illegible]	[illegible]	[illegible]	16.1[illegible]	[illegible]			[illegible]	34.[illegible]	15.[illegible]	[illegible]	[illegible]
Dry Bulb	[illegible]	[illegible]	71.4	[illegible].671	[illegible]			[illegible]				[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	4.145	[illegible]			[illegible]				[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	4.272	[illegible]							[illegible]

USAFETAC FORM 0 26 5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] AAF/FT LEWIS WA	73-81	[illegible]

[illegible] HOURS (L.S.T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/										[illegible]											
/							[illegible]		[illegible]	[illegible]											
/							[illegible]		[illegible]												
/						[illegible]	[illegible]	[illegible]													
/					[illegible]	[illegible]	[illegible]	[illegible]													
/				[illegible]	[illegible]	[illegible]	[illegible]														
/				[illegible]	[illegible]	[illegible]															
/				[illegible]	[illegible]	[illegible]												[illegible]4	[illegible]4		
/		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											44	44		
/		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												74	74	[illegible]	
/		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												1[illegible]1	1[illegible]1	5[illegible]	
/	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												1[illegible]7	1[illegible]	[illegible]	
/		[illegible]	[illegible]	[illegible]	[illegible]													1[illegible]	1[illegible]	1[illegible]	[illegible]
/		[illegible]	[illegible]	[illegible]														70	70	1[illegible]	1[illegible]7
/		[illegible]	[illegible]	[illegible]														77	77	1[illegible]1	1[illegible]2
/		[illegible]	[illegible]	[illegible]														[illegible]1	[illegible]1	[illegible]6	172
/		[illegible]	[illegible]															4	4	41	12[illegible]
/ 4[illegible]		[illegible]																1	1	12	75
/ 4[illegible]																					4[illegible]
/ 4[illegible]																					1[illegible]
/ [illegible]																					[illegible]
/																					
[illegible]	.[illegible]	.[illegible]	.12[illegible]	.111	.[illegible]	4.[illegible]	1.4	1.2	.[illegible]	.[illegible]									[illegible]37		[illegible]37
																		[illegible]77		5[illegible]	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4[illegible]76[illegible]	[illegible]2459	74.5	11.231	[illegible]							
Dry Bulb	[illegible]	[illegible]72[illegible]	6[illegible].6	5.169	837			11.4	[illegible].[illegible]	.[illegible]		93
Wet Bulb	[illegible]23[illegible]	46[illegible]21	55.9	3.611	837			.[illegible]				[illegible]
Dew Point	[illegible]2[illegible]3717	43699	5[illegible].2	3.[illegible]25	837							93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM AN 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

[illegible] CLIMATOLOGY BRANCH
[illegible]
A[illegible] WEATHER SERVICE/MAC

STATION: [illegible]
STATION NAME: [illegible] AAF/FT LEWIS WA
YEARS: [illegible]
MONTH: ALL
HOURS L.S.T.: ALL

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	GRAY AAF/FT LEWIS WA	73-8[illegible]	A[illegible]
STATION	STATION NAME	YEARS	MONTH

PAGE 1 ALL
HOURS L.S.T.

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ [illegible]														.	.			[illegible]	[illegible]		
/ [illegible]													.	.	.	.	.	[illegible]	[illegible]		
/ [illegible]														.1	.			[illegible]	[illegible]		
/ [illegible]												.	.	.1	.			[illegible]	[illegible]		
/ [illegible]											.	.	.	.1				14	14		
/ [illegible]										.	.1	.1	.1					[illegible]	[illegible]		
/ [illegible]									.	.1	.	.1	.					35	[illegible]		
/ [illegible]								.	.1	.2	.4	.1	.					[illegible]	[illegible]		
/ [illegible]								.	.	.4	.1	.						[illegible]	56		
/ [illegible]							.	.2	.5	.	.1							[illegible]	[illegible]		
/ [illegible]							.	.4	.4	.	.	.						[illegible]	[illegible]		
/ [illegible]						.	.	.	.4	.1	.							[illegible]	[illegible]		
/ [illegible]						.4	.	.	.	.1								14[illegible]	14[illegible]		
/ [illegible]					.	.	1.0	.	.3	.								1[illegible]4	1[illegible]4	[illegible]	
/ [illegible]				.	.	1.	1.4	.6	.1	.								[illegible]	[illegible]	[illegible]	
/ [illegible]				.	1.	1.7	1.	.	.1									3[illegible]	[illegible]	77	
/ [illegible]			.	1.	.	1.5	.	.	.									349	349	1[illegible]	
/ [illegible]			.	.	.	1.2	.	.	.									445	445	[illegible]26	
/ [illegible]		.	1.	3.1	.4	.7	.1											[illegible]36	[illegible]36	[illegible]	[illegible]
/ [illegible]		1.	3.	.4	1.	.												[illegible]	[illegible]	4[illegible]	[illegible]
/ [illegible]	.1	.2	.4	2.	.	.1												7[illegible]	[illegible]	797	19[illegible]
/ [illegible]	.	.3	6.	1.	.1													[illegible]4	[illegible]4	11[illegible]2	5[illegible]
/ [illegible]	.	.5	4.5	1.2														6[illegible]4	6[illegible]4	12[illegible]2	1[illegible]
/ [illegible]	.1	.	.	.														[illegible]	[illegible]	1[illegible]	1232
/ [illegible]	.	2.	1.2	.														[illegible]	[illegible]	6[illegible]	1316
/ [illegible]	.	1.2	.6	.														1[illegible]3	133	317	[illegible]99
/ [illegible]	.	.	.	.														72	73	1[illegible]	6[illegible]4
/ 4[illegible]	.	.3	.1															3[illegible]	3[illegible]	[illegible]3	372
4/ 4[illegible]		.	.															14	14	[illegible]	157
/ 4[illegible]		.	.															6	6	15	7[illegible]
/ [illegible]																				[illegible]	32
/ [illegible]																				[illegible]	1[illegible]
/ [illegible]																					7
/ [illegible]																					1

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: RAY AAF/FT LEWIS [illegible] YEARS: [illegible] MONTH: [illegible]

HOURS [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																		[illegible]	[illegible]	[illegible]		
[illegible]			.4	.7	.4	.1												[illegible]	[illegible]			
[illegible]		.[illegible]	1.[illegible]	.6	.5	.1												[illegible]	[illegible]			
[illegible]	.[illegible]	4.[illegible]	[illegible].7	.9	.[illegible]	.2												[illegible]	[illegible]			
[illegible]	.[illegible]	5.[illegible]	4.9	.[illegible]	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	9.1	[illegible].5	.4	.[illegible]													112	112	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	[illegible].[illegible]	4.6	1.[illegible]														[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.4	8.1	4.3	1.														112	117	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	8.	4.[illegible]	.5														[illegible]	[illegible]	117	[illegible]	[illegible]
[illegible]	.[illegible]	7.3	1.4															[illegible]	72	114	[illegible]	[illegible]
[illegible]		3.[illegible]	.4															[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	.1	.1														[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.6	.1															[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					[illegible]	[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]																						[illegible]
[illegible]	[illegible].5	[illegible].2	[illegible].0	5.0	[illegible].1	.6	.1												[illegible]		[illegible]	[illegible]
																		[illegible]		[illegible]		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]9415	[illegible]19	84.[illegible]	8.166	[illegible]							
Dry Bulb	[illegible]244[illegible]	[illegible]23	[illegible].4	4.629	[illegible]							[illegible]
Wet Bulb	[illegible]116[illegible]	[illegible]198	[illegible].9	4.344	[illegible]							[illegible]
Dew Point	[illegible]457	[illegible]23	[illegible].7	4.811	[illegible]		.1					[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: AAF/FT LEWIS WA YEARS: [illegible] MONTH: SEP

PAGE 1 HOURS (L. S. T.) 3 [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]		.2	.1		.4													[illegible]	[illegible]		
[illegible]		.4	1.[illegible]	.6														[illegible]	[illegible]	[illegible]	
[illegible]		3.[illegible]	[illegible].8	.5														[illegible]	[illegible]	[illegible]	1
[illegible]		[illegible].1	3.1		.1													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	[illegible].[illegible]	3.2	.7	.2													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible].9	[illegible].1	.5														[illegible]	[illegible]	[illegible]	65
[illegible]	.[illegible]	[illegible].9	[illegible]	1.[illegible]														[illegible]	[illegible]	[illegible]	112
[illegible]	.01	.3	4.2	.4														[illegible]	[illegible]	11	[illegible]
[illegible]	[illegible]	[illegible].0	.5															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	7.4	.[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.1	4.4	.4															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.2	1.9	.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.7																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.1																1	1	[illegible]	[illegible]
[illegible]																					[illegible]
[illegible]																					[illegible]
TOTAL	[illegible]	[illegible].122	[illegible].7	.7														[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.
Rel. Hum.	[illegible]	[illegible]	[illegible]	7.[illegible]	[illegible]
Dry Bulb	[illegible]	[illegible]	51.7	4.984	[illegible]
Wet Bulb	[illegible]	[illegible]	49.5	4.749	[illegible]
Dew Point	1656747	33535	47.6	5.124	[illegible]

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb							[illegible]
Wet Bulb							[illegible]
Dew Point							[illegible]

USAFETAC FORM AN 84 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION   [illegible]AY AAF/FT LEWIS WA STATION NAME   [illegible] YEARS   [illegible] MONTH

PAGE [illegible]   [illegible] HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
[illegible]		.[illegible]	.[illegible]	.[illegible]			.											4	4		
[illegible]		.1	.[illegible]	.6	.2													11	11	[illegible]	
[illegible]		.[illegible]	1.[illegible]	.[illegible]	.4													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible].3	4.[illegible]	1.2	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	[illegible].3	4.[illegible]	.4	.[illegible]													1[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	[illegible].7	4.[illegible]	.[illegible]														11[illegible]	[illegible]1[illegible]	1[illegible]	7[illegible]
[illegible]	.[illegible]	1[illegible].[illegible]	4.[illegible]	.[illegible]														1[illegible]	[illegible]	1[illegible]2	[illegible]
[illegible]1	.[illegible]	7.[illegible]	[illegible].[illegible]	.[illegible]														11[illegible]	[illegible]1[illegible]	1[illegible]	[illegible]4
[illegible]	.[illegible]	7.[illegible]	[illegible].[illegible]															[illegible]	[illegible]	1[illegible]2	1[illegible]
[illegible]	.[illegible]	5.4	.7															[illegible]	[illegible]	[illegible]	11
[illegible]	.[illegible]	[illegible].1	.[illegible]															4[illegible]	4[illegible]	[illegible]	7[illegible]
[illegible]	.[illegible]	[illegible].[illegible]	.[illegible]															[illegible]	[illegible]	44	7[illegible]
[illegible]	.4	[illegible].[illegible]	.[illegible]															1[illegible]	1[illegible]	[illegible]	5[illegible]
[illegible]	.[illegible]	.2																[illegible]	4	[illegible]	[illegible]
[illegible]		.[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				.	[illegible]
[illegible]																					1
[illegible]	[illegible].5	.2[illegible]	.[illegible]	4.[illegible]	1.[illegible]		.[illegible]												[illegible]1		[illegible]9
																		[illegible]0		5[illegible]9	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	[illegible]622[illegible]8	63596	84.[illegible]	7.[illegible]35	8[illegible]9
Dry Bulb	[illegible]2[illegible]1936	4[illegible]896	53.[illegible]	5.[illegible]3	51[illegible]
Wet Bulb	[illegible]	4[illegible]33	5[illegible].6	4.6[illegible]4	[illegible]9
Dew Point	1[illegible]2[illegible]	[illegible]9721	4[illegible].5	4.966	8[illegible]9

Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						[illegible]
						[illegible]
						[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] [illegible]AY AAF/FT LEWIS WA [illegible]-81 [illegible]
STATION STATION NAME YEARS MONTH

PAGE [illegible] [illegible]
HOURS (L.S.T.)

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]											.[illegible]							[illegible]	[illegible]		
[illegible]								.[illegible]										1	[illegible]		
[illegible]								.[illegible]	.1									[illegible]	[illegible]		
[illegible]						.[illegible]			.4	.1								5	[illegible]		
[illegible]					.[illegible]	.6	.[illegible]	.4	.[illegible]		.1							1[illegible]	1[illegible]		
[illegible]					.[illegible]	.4	.[illegible]	.[illegible]	.1									1[illegible]	1[illegible]		
[illegible]				.1	1.[illegible]	1.[illegible]	1.[illegible]		.[illegible]	.[illegible]								[illegible]	[illegible]		
[illegible]			.[illegible]	.[illegible]	[illegible]	[illegible]	.[illegible]	.[illegible]										4[illegible]	4[illegible]		
[illegible]			.[illegible]	2.6	3.[illegible]	1.7	.[illegible]											[illegible]	[illegible]		
[illegible]		.1	1.5	[illegible]	3.[illegible]	1.6		.[illegible]										[illegible]6	[illegible]6	1[illegible]	
[illegible]		.1	4.3	5.6	[illegible].1	.4												1[illegible]1	1[illegible]	7[illegible]	
[illegible]9		3.	.5	[illegible].2	1.[illegible]	.1												1[illegible]3	[illegible]	1[illegible]	[illegible]
[illegible]	.[illegible]	3.2	[illegible]	3.[illegible]	.[illegible]													1[illegible]	1[illegible]	154	[illegible]
[illegible]	.4	4.4	3.[illegible]	[illegible].6														[illegible]1	[illegible]1	1[illegible]2	[illegible]
[illegible]	.[illegible]	1.7	3.[illegible]	.6														[illegible]	[illegible]	15[illegible]	[illegible]5[illegible]
[illegible]		.9	1.[illegible]	.1														[illegible]6	[illegible]6	[illegible]	1[illegible]
[illegible]		.[illegible]	.1															[illegible]	[illegible]	4	[illegible]
[illegible] 47		.[illegible]																[illegible]	[illegible]	[illegible]5	1[illegible]
[illegible] 4[illegible]		.[illegible]																[illegible]	[illegible]	[illegible]	[illegible]6
[illegible] 4[illegible]																				[illegible]	15
[illegible] 4[illegible]																					[illegible]
[illegible]																					1
[illegible]																					4
[illegible]	.7	14.4	[illegible].5	25.2	1[illegible].[illegible]	[illegible].6	[illegible].2	1.5	1.1	.4	.4							[illegible]	[illegible]		[illegible]
																		[illegible]1[illegible]		[illegible]	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4236[illegible]	[illegible]7626	71.1	13.[illegible]15	[illegible]1[illegible]							
Dry Bulb	[illegible]	[illegible]	61.[illegible]	[illegible]	[illegible]1[illegible]			14.6	3.[illegible]	.[illegible]		[illegible]
Wet Bulb	[illegible]1.444	45[illegible]	55.6	3.476	[illegible]1[illegible]							9[illegible]
Dew Point	2127774	414[illegible]	51.1	3.815	[illegible]1[illegible]							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]	[illegible]AY AAF/FT LEWIS WA	7[illegible]-8[illegible]	[illegible]
STATION	STATION NAME	YEARS	MONTH

PAGE [illegible] 1[illegible]-14[illegible]
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 9[illegible]												[illegible]			[illegible]			[illegible]	[illegible]		
[illegible]/ [illegible]											.[illegible]	.1	.1	.[illegible]				[illegible]	[illegible]		
/ [illegible]										.[illegible]		.[illegible]	.1					[illegible]	[illegible]		
/ [illegible]										.4	.[illegible]	.[illegible]	.[illegible]					[illegible]	[illegible]		
/ [illegible]									.[illegible]	.2	.[illegible]	.[illegible]	.1					[illegible]	[illegible]		
/ [illegible]								.[illegible]	.[illegible]	.1	.4							[illegible]	[illegible]		
[illegible]/ [illegible]7							.[illegible]	.[illegible]	1.[illegible]	.9								[illegible]	[illegible]		
/ [illegible]						.4	1.[illegible]	[illegible].3	.6	.1		.[illegible]						[illegible]	[illegible]7		
[illegible]/ [illegible]						1.[illegible]	1.[illegible]	1.[illegible]	.6	.4	.[illegible]							[illegible]4	[illegible]4		
/ [illegible]				.1	.[illegible]	[illegible].1	2.[illegible]	.[illegible]	.2									[illegible]	[illegible]		
/ [illegible]				.[illegible]	1.[illegible]	3.1	[illegible].[illegible]	1.4	.1									[illegible]	[illegible]		
/ 5[illegible]			.[illegible]	.[illegible]	[illegible].[illegible]	[illegible].9	1.1											[illegible]	[illegible]		
[illegible]/ [illegible]		.1	.2	1.[illegible]	[illegible].3	[illegible].[illegible]	.9	.[illegible]										[illegible]8	[illegible]	[illegible]	
[illegible]/ [illegible]		.5	.[illegible]	4.7	4.1	1.9	.1											[illegible]8	[illegible]		
/ [illegible]		.6	[illegible].2	4.[illegible]	[illegible].[illegible]	.[illegible]	.1											1[illegible]	[illegible]	[illegible]	[illegible]
/ [illegible]9		.7	[illegible].[illegible]	2.7	1.5	.4												[illegible]6	76	1[illegible]4	[illegible]
/ [illegible]		1.[illegible]	[illegible].8	1.0	.6													58	58	16[illegible]	[illegible]
[illegible] / [illegible]		.[illegible]	1.[illegible]	.5	.4													[illegible]4	[illegible]4	[illegible]	[illegible]11
[illegible]/ [illegible]		.[illegible]	.[illegible]	.2														[illegible]	[illegible]	[illegible]	1[illegible]
/ [illegible]																				[illegible]4	1[illegible]
[illegible]/ [illegible]																				1[illegible]	[illegible]4
/ 47																					[illegible]
[illegible] / 4[illegible]																					[illegible]
4/ [illegible]																					[illegible]
[illegible]/ 4[illegible]																					1[illegible]
[illegible]/ [illegible]																					[illegible]
[illegible]/ [illegible]																					[illegible]
/ [illegible]																					[illegible]
[illegible] / [illegible]																					[illegible]
TTL		[illegible].3	1[illegible].1	[illegible]7.7	2[illegible].3	[illegible]4.2	11.[illegible]	7.2	4.[illegible]	[illegible].3	1.5	.9	.5	.1	.1				91[illegible]		91[illegible]
																		91[illegible]		91[illegible]	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]23461	4[illegible]649	6[illegible].1	14.5[illegible]4	91[illegible]							
Dry Bulb	[illegible]6251[illegible]1	[illegible]3877	65.[illegible]	6.[illegible]35	91[illegible]			[illegible].9	17.9	4.[illegible]		[illegible]
Wet Bulb	[illegible]35254	4[illegible]74	59.[illegible]	[illegible].737	91[illegible]			[illegible].[illegible]				[illegible]
Dew Point	[illegible]1511[illegible]	41599	51.4	4.265	91[illegible]							[illegible]

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] AAF/FT LE[illegible]
STATION STATION NAME YEARS MONTH

[illegible] HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL		[illegible]	.8	13.3	13.5	14.8	12.7	7.7	6.4	4.4	1.1	1.9	1.3	.4	.7			[illegible]	91[illegible]	[illegible]	91[illegible]

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]9927	46715	57.7	16.330	91[illegible]							
Dry Bulb	[illegible]62441	[illegible]4944	67.7	7.735	91[illegible]			44.[illegible]	24.[illegible]	7.7		[illegible]
Wet Bulb	2764737	47714	59.3	3.939	91[illegible]			[illegible].9				[illegible]
Dew Point	[illegible]126759	41713	51.7	4.839	91[illegible]							[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH | HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AUG 64 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AX 64 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

Temp F	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	WET BULB TEMPERATURE DEPRESSION (F)																				

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≤93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp °F	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]																					

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

[illegible]

STATION | STATION NAME [illegible] | YEARS | MONTH

HOURS [illegible]

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Pt
[illegible]			[illegible]																		
[illegible]			[illegible]	[illegible]														[illegible]			
[illegible]		[illegible]	1.1	.4														[illegible]			
[illegible]		1.[illegible]	1.[illegible]															[illegible]			
[illegible]		7.[illegible]	[illegible]	.[illegible]	.[illegible]													[illegible]	1		
[illegible]	.[illegible]	[illegible].3	.6	.3														[illegible]	[illegible]	[illegible]	
[illegible]	.[illegible]	[illegible]	.6	.[illegible]														[illegible]	[illegible]		
[illegible]	.[illegible]	1[illegible].7	1.[illegible]															[illegible]	[illegible]	[illegible]	
[illegible]	.	[illegible]1.[illegible]	1.															[illegible]	[illegible]	[illegible]	
[illegible]	.[illegible]	[illegible]1.[illegible]	.[illegible]															[illegible]	[illegible]	[illegible]	
[illegible]	.4	[illegible].	.[illegible]															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.[illegible]	.[illegible]	1.															[illegible]	[illegible]	[illegible]	
[illegible]	.	[illegible].[illegible]	.4															[illegible]	[illegible]		
[illegible]	.	[illegible].[illegible]	.[illegible]															[illegible]	[illegible]	[illegible]	
[illegible]	.	[illegible].																[illegible]	[illegible]	[illegible]	
[illegible]	.	[illegible].[illegible]																[illegible]	[illegible]		
[illegible]		.																[illegible]	[illegible]		
[illegible]																					
[illegible]																					
[illegible]	.4	[illegible].[illegible]	[illegible].[illegible]	1.4	.[illegible]													[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]7412	[illegible]2412	55.5	6.26[illegible]	937							
Dry Bulb	1[illegible]3[illegible]	[illegible]5196	4[illegible].6	6.[illegible]6	937		1.[illegible]					[illegible]
Wet Bulb	1[illegible]4214	36674	4[illegible].3	5.715	937		7.1					[illegible]
Dew Point	1494161	[illegible]13	41.3	5.942	937		9.4					[illegible]

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp. °F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dew Point	1745715	[illegible]	[illegible]	[illegible]	[illegible]							

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]AY AAF/FT LEWIS WA	73-[illegible]	[illegible]T

PAGE [illegible] 1[illegible]-14
HOURS (L.S.T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]												.[illegible]									
[illegible]										.1											
[illegible]									.[illegible]	.1								4			
[illegible]										.1											
[illegible]							.[illegible]	.7													
[illegible]							.[illegible]	.1	.4									7			
[illegible]					.[illegible]	.[illegible]	.2	.[illegible]										1[illegible]	1[illegible]		
[illegible]					.[illegible]	.4	1.[illegible]											16	16		
[illegible]					.[illegible]	1.2	1.[illegible]	.7										[illegible]	25		
[illegible]				.4	1.[illegible]	1.[illegible]	.3	.5	.1									[illegible]4	44		
[illegible]			.[illegible]	2.3	[illegible]	1.[illegible]	.[illegible]	.1										[illegible]	[illegible]	[illegible]	
[illegible]			.5	3.2	[illegible]	1.1	.[illegible]											[illegible]3	[illegible]	[illegible]	
[illegible]		.4	1.[illegible]	3.[illegible]	[illegible]	2.5	.[illegible]											[illegible]4	[illegible]4	[illegible]1	
[illegible]		.[illegible]	3.1	5.4	[illegible]	1.3	.4											143	143	77	
[illegible]		1.[illegible]	[illegible]	4.[illegible]	3.[illegible]	.[illegible]												1[illegible]1	1[illegible]1	[illegible]	[illegible]1
[illegible]		1.[illegible]	[illegible]	4.4	.7													[illegible]5	[illegible]	[illegible]	[illegible]9
[illegible]		1.[illegible]	[illegible].4	1.[illegible]														[illegible]	[illegible]	1[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	.4														[illegible]	[illegible]6	[illegible]	[illegible]
[illegible]		[illegible]	.[illegible]															2[illegible]	2[illegible]	1[illegible]	[illegible]4
[illegible]		.1	.4															1[illegible]	1[illegible]	[illegible]	[illegible]
[illegible]		.5																[illegible]	4	[illegible]	
[illegible]		.[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																					
[illegible]																					[illegible]
[illegible]																					[illegible]1
[illegible]																					[illegible]
[illegible]		1[illegible].[illegible]	21.[illegible]	26.[illegible]	1[illegible].[illegible]	[illegible].[illegible]	.[illegible]	[illegible].3	.[illegible]	.4		.[illegible]							[illegible]7		[illegible]37
																		[illegible]7		[illegible]7	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	[illegible]89[illegible]4	[illegible]56	[illegible]6.9	13.325	[illegible]37							
Dry Bulb	[illegible]18499	43237	57.7	5.263	[illegible]37			[illegible].8	1.[illegible]	.[illegible]		[illegible]
Wet Bulb	224[illegible]56	43742	5[illegible].7	4.185	937							[illegible]
Dew Point	15[illegible]1916	38556	46.3	4.467	937		.1					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

PAGE 1

HOURS

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.1	11.2	21.3	24.0	19.4	12.1	7.9	5.7	1.9	.2	.2							[illegible]	[illegible]	[illegible]	[illegible]

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	5162	6[illegible].9	12.750	[illegible]							
Dry Bulb	[illegible]	4410	5[illegible].9	6.369	83[illegible]			[illegible]	[illegible]	[illegible]		[illegible]
Wet Bulb	[illegible]	[illegible]	51.6	4.42	[illegible]			[illegible]				[illegible]
Dew Point	[illegible]	8413	45.9	5.15	837		[illegible]					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] | STATION NAME: [illegible] | YEARS: 73-81 | MONTH: [illegible]

PAGE 1 | HOURS L.S.T.: [illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]						.1												1	1		
[illegible]					.1	.1												2	2		
[illegible]				.1		.2												4	4		
[illegible]				.1	.1													4	4		
[illegible]			.1	.2														4	4		
[illegible]			.1	1.4	.5	.1												7	7		
[illegible]			.1	1.5	1.9	.1												[illegible]	[illegible]	[illegible]	
[illegible]		1.4	3.5	2.4	.4	.1												[illegible]	[illegible]	[illegible]	
[illegible]	.1	2.3	5.5	2.7	1.1	.1												[illegible]	[illegible]	[illegible]	
[illegible]	.1	3.1	[illegible]	2.2	.5													117	117	[illegible]	
[illegible]		5.4	5.4	1.8	.4	.1												134	134	1[illegible]	
[illegible]		3.9	7.2	1.6														1[illegible]	1[illegible]	176	[illegible]
[illegible]		7.5	1.7	.5														99	99	17[illegible]	1[illegible]
[illegible]		5.9	1.3															65	53	179	1[illegible]
[illegible]		3.5	1.1															4[illegible]	43	77	1[illegible]
[illegible]	.1	1.3	.5															[illegible]	[illegible]	45	[illegible]
[illegible]		.5																5	5	[illegible]	
[illegible]		.4																3	3	4	
[illegible]		.1																1	1	1	
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]		26.7	43.4	14.6	3.3	1.1													[illegible]		[illegible]
																		877		877	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	52[illegible]2259	66113	79.[illegible]	9.161	837							
Dry Bulb	226[illegible]05	43275	51.7	5.295	837			.8	.1			93
Wet Bulb	198[illegible]884	40538	48.4	4.579	837							93
Dew Point	1732917	37865	45.2	4.884	837		.2					93

USAFETAC FORM JUN 84 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL BAL CLIMATOLOGY BRANCH
[illegible] TAC
AI [illegible]ATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] | [illegible]AY AAF/FT LEWIS WA | 73-[illegible] | [illegible]
STATION | STATION NAME | YEARS | MONTH

PAGE [illegible] [illegible]-2[illegible]
HOURS (L.S.T.)

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]				.[illegible]			.1											3	7		
[illegible]		.1																1	1		
[illegible]		.1	.4	.2														5	4		
[illegible]		.5	.7															12	12		
[illegible]		1.1	2.2	1.2	.1													7[illegible]	39	3	
[illegible]		2.7	2.3	.6		.1												[illegible]	[illegible]	[illegible]	
[illegible]	.4	3.5	2.4	1.7														[illegible]	[illegible]	[illegible]	
[illegible]	.3	4.4	5.7	.6														96	46		
[illegible]		[illegible]	[illegible].4	.7														117	117	9	
[illegible]/ 47	.[illegible]	[illegible]1.6	1.[illegible]	.4														118	118	125	[illegible]
[illegible]/ 4[illegible]		[illegible]	2.7															112	112	138	[illegible]
[illegible]/ 4[illegible]		[illegible].3	1.[illegible]															91	91	115	[illegible]
[illegible]/ [illegible]	.4	7.8	1.4															81	81	[illegible]	1[illegible]
[illegible]	.[illegible]	3.5	.4															3[illegible]	35	74	[illegible]
[illegible]		.7	.1															7	7	7[illegible]	
[illegible]	.1	.3																3	6		
[illegible]		.[illegible]																4	4	1	
[illegible]																					
/																					
TOTAL	1.[illegible]	[illegible]6.5	25.5	4.9	.1	.1	.1												[illegible]		[illegible]
																		837		837	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	5[illegible]66[illegible]	[illegible] 421	64.1	7.[illegible]5	837							
Dry Bulb	1[illegible]55669	[illegible]7235	4[illegible].1	5.419	837							[illegible]
Wet Bulb	1777779	[illegible]8347	4[illegible].9	5.[illegible]	837							[illegible]
Dew Point	15[illegible]4867	36[illegible]83	43.5	5.286	837		1.3					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] GLOBAL CLIMATOLOGY BRANCH
[illegible]
AT[illegible] CLIMATOLOGY SERVICE (MAC)

PSYCHROMETRIC SUMMARY

[illegible] STATION — [illegible]AY AFB/FT LE[illegible] STATION NAME — [illegible]-51 YEARS — [illegible] MONTH

[illegible] HOURS [illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible]										.2	.2	.1						[illegible]	[illegible]		
[illegible]										.2								[illegible]	[illegible]		
[illegible]									.1	.2								[illegible]	[illegible]		
[illegible]								.1	.2	.2								[illegible]	[illegible]		
[illegible]								.1	.1									[illegible]	[illegible]		
[illegible]								.1										[illegible]	[illegible]		
[illegible]						.1	.1	.1										[illegible]	[illegible]		
[illegible]						.1	.2	.1	.2									[illegible]	[illegible]		
[illegible] 67				.1	.1	.3	.2	.1	.2									[illegible]	[illegible]		
[illegible]				.1	.1	.4	.2	.1	.2									[illegible]	[illegible]		
[illegible]			.1	.5	.7	.3	.2											176	1[illegible]	[illegible]	
[illegible]			.1	1.2	.5	.4	.2											[illegible]	[illegible]	[illegible]	
[illegible] 69			.7	1.2	1.4	1.1	.7	.1										[illegible]	[illegible]	[illegible]	
[illegible]		1.	2.5	2.4	1.5	.4	.1											528	[illegible]	192	[illegible]
[illegible]	.1	2.	3.4	2.3	.5	.3												5[illegible]	565	362	[illegible]
[illegible]	.1	2.7	4.2	1.9	.4	.1												521	521	573	[illegible]
[illegible]	.1	4.1	[illegible]	.9	.1													[illegible]	[illegible]	585	[illegible]
[illegible]		5.7	3.9	.6														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 47	.1	8.1	1.[illegible]	.2														[illegible]	636	946	[illegible]
[illegible] 45	.2	7.1	1.2															[illegible]	[illegible]	889	[illegible]
4/ 42	.1	6.6	.8															4[illegible]	4[illegible]	577	[illegible]
[illegible] 41	.2	4.5	.7															3[illegible]	3[illegible]	407	[illegible]
[illegible]	.4	2.7	.4															2[illegible]	2[illegible]	346	[illegible]
[illegible]	.2	1.9	.2															1[illegible]	1[illegible]	[illegible]	[illegible]
[illegible] 35	.1	1.5	.1															117	117	17[illegible]	[illegible]
[illegible] 33	.1	.5	.2															[illegible]	[illegible]	178	[illegible]
[illegible]	.1	.7																23	27	76	[illegible]
[illegible]		.1																4	4	[illegible]	[illegible]
[illegible]																					
[illegible] 25																					
TOTAL	1.	49.	22[illegible]	[illegible].6	6.2	3.2	1.6	.6	.2	.1	.1	.1							[illegible]		6696
																		6696		6696	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]14133	5[illegible]9544	7[illegible].112	[illegible].432	6696							
Dry Bulb	175177.5	33[illegible]659	5[illegible].6	7.629	6696		7.	1[illegible].6	4.9	.5		744
Wet Bulb	1516.147	316141	47.2	5.913	6696		6.0	.2				744
Dew Point	13135934	294236	43.9	5.559	6696		23.7					744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] GRAY AAF/FT LEWIS WA 73-81 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]
HOURS (L.S.T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/		.																			
/		.																			
/		.	.1	.5																	
/		.1	1.2															1	.1		
/		.1	1.	.6																4	
/	.1	1.9	.3	.1														32	76	76	
/	.1	7.	3.	.1																	
/ 47	.1	9.	1.6															79	79	4	
/ 4		7.7	1.	.2														76	76	77	
/ 47		5.9	1.9															63	63	73	
/ 41	.4	7.3	1.5															75	75	77	
/	.	9.1	.5															75	75	87	
/	.5	7.4	.1															63	63	66	
/	.1	7.4	.1		.5													66	66		
/ 33	.5	5.9			.													52	52		
/	.2	4.	.6	.6														44	44	34	
/	.4	1.9																	33	35	
/		1.7																			
/ 43		2.	.4																		
/ 2	.1	.																			
/			.5																		
/																					
/																					
/																					
/ 17																					
1 / 1																					
/																					
/																					
TOTAL	7.6	77.3	[illegible].7	2.7	.6													31[illegible]	31[illegible]	5[illegible]	91

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5172714	49617	54.7	8.765	91[illegible]							
Dry Bulb	14175[illegible]3	37[illegible]	41.1	7.744	91[illegible]		17.5					9[illegible]
Wet Bulb	1776124	31523	39.3	7.498	91[illegible]		15.1					9[illegible]
Dew Point	1152117	2977[illegible]	36.3	8.455	91[illegible]		24.8					9[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] AAF/FT LEWIS [illegible]
STATION — STATION NAME — YEARS: 7[illegible]-[illegible] — MONTH: NOV

PAGE 1 — HOURS (L.S.T.): [illegible]

Temp (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/					.													1	1		
/ [illegible]				.														[illegible]	[illegible]		
/ [illegible]		.	.		.	.1												[illegible]	[illegible]		
/ [illegible]		.6	.	.														[illegible]	[illegible]	4	
/ [illegible]		1.	.	.1														1[illegible]	14	[illegible]	
/		[illegible].1	[illegible].1	.1														[illegible]3	[illegible]	[illegible]	[illegible]
/ [illegible]	.1	1.2	[illegible]	.[illegible]														[illegible]	[illegible]	[illegible]	
/ 47	.[illegible]	[illegible].4	[illegible]	.1														[illegible]	[illegible]	44	[illegible]
/ 4[illegible]	.[illegible]	[illegible]	[illegible]	.[illegible]														[illegible]6	[illegible]6	[illegible]	
/ [illegible]	.[illegible]	7.7	1.9	.[illegible]														1	[illegible]	[illegible]	
/ 4[illegible]	.[illegible]	5.9	1.[illegible]															[illegible]	1	[illegible]	
/ [illegible]	.7	[illegible]	.[illegible]															[illegible]	[illegible]	[illegible]	
/ [illegible]	.1	6.[illegible]	.4															4	[illegible]4	[illegible]	
/ [illegible]	.[illegible]	[illegible].1	.1		.1													[illegible]	[illegible]	[illegible]	
/ [illegible]	.6	6.4		.1														[illegible]	[illegible]	3	
/ [illegible]1	.[illegible]	[illegible].3	.5	.1														[illegible]	[illegible]	4[illegible]	
/ [illegible]	.	[illegible].3	.1																[illegible]	[illegible]	[illegible]
/ [illegible]	.1	1.4																1[illegible]	1[illegible]	[illegible]	
/ [illegible]5	.[illegible]	1.[illegible]	.[illegible]															[illegible]	[illegible]	[illegible]	
/ 2[illegible]	.[illegible]	1.4	.2															[illegible]	1[illegible]	[illegible]	[illegible]
/ [illegible]		[illegible].[illegible]	.2															1	1	[illegible]	[illegible]
/ [illegible]		.1																[illegible]	[illegible]	4	[illegible]
/ 1[illegible]																					
/ 1[illegible]																					
/ 1[illegible]																					
1 / 11																					
/																					
/																					
[illegible]	.4	71.2	14.[illegible]	[illegible].[illegible]	.	.1													1[illegible]		[illegible]
																		[illegible]9		[illegible]9	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	6[illegible].1	[illegible].373	[illegible]							
Dry Bulb	137[illegible]789	[illegible]	4[illegible].9	[illegible].017	81[illegible]		1[illegible].4					[illegible]
Wet Bulb	125[illegible]811	71329	3[illegible].7	7.616	[illegible]		19.[illegible]					9[illegible]
Dew Point	1118[illegible]7	[illegible]	36.[illegible]	8.419	[illegible]		26.6					[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew P
[illegible]																					

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]

USAFETAC FORM NO. 0 26 5 (OL-A) REVISES PREVIOUS EDITIONS OF THIS FORM WHICH ARE OBSOLETE

[illegible] CLIMATOLOGY [illegible]
[illegible] SERVICE [illegible]

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

HOURS [illegible]

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B. W.B.	Dry Bulb	TOTAL Wet Bulb	Dew P.
[illegible]	.4	56.[illegible]	27.4	[illegible].4	[illegible].1	.5		.[illegible]											[illegible]		[illegible]

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Wet Bulb	1427666	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					[illegible]

USAFETAC FORM JUL 64 0 26 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point

Element (X)	Σx'	Σx	x̄	σx	No. Obs	Mean No. of Hours with Temperature				
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 85 F
Rel. Hum										
Dry Bulb										
Wet Bulb										
Dew Point										

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OBSOLETE

AD-A128 112 GRAY AAF/FORT LEWIS WASHINGTON REVISED UNIFORM SUMMARY OF SURFACE WEATHER..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 14 DEC 82 5/5

UNCLASSIFIED USAFETAC/DS-82/062 SBI-AD-E850 362 F/G 4/2 NL

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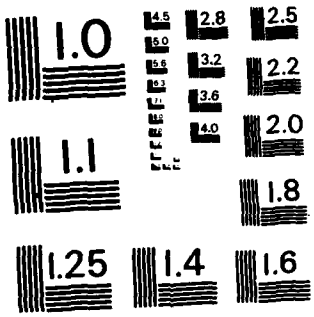


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]7[illegible]	GRAY AAF/FT LEWIS WA	73-81	NOV

PAGE 1 — HOURS (L. S. T.): 15[illegible]0-17[illegible]0

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 7[illegible]					.1													1	1		
[illegible] / 59			.1	.1														2	2		
[illegible] / 67					.1													1	1		
[illegible]6 / 65			.4	.1	.5	.1												9	9	1	
[illegible]4 / 63			.4		.1													4	4	3	1
[illegible] / 61			.1	.4														4	4	2	1
[illegible] / 59		.4	.5	.1	.1	.1	.1											11	11	6	3
[illegible] / 57		.5	.6	.5	1.1	.4												25	25	9	5
5 / 55	.2	.7	1.7	1.4	.6	.2	.1											41	41	18	8
[illegible]4 / 53		1.2	3.3	1.5	.6	.2												56	56	16	8
[illegible]2 / 51	.1	2.8	5.3	2.1	.6	.1	.1											91	91	27	17
5 / 49	.1	3.8	4.4	1.9	.5		.1											88	88	86	27
[illegible] / 47	.1	4.9	3.1	2.2	.2	.5												9[illegible]	97	102	52
4 / 45	.2	5.7	4.9	1.4	.5	.4												106	106	98	82
[illegible]4 / 43		4.9	4.2	1.2	.2	.2												88	88	103	75
2 / 41	.1	4.8	3.2	1.9	.6	.2												88	88	98	95
4 / 39	.5	2.5	.9		.4													34	34	84	102
3 / 37		2.1	.[illegible]	.4	.4													25	25	59	99
[illegible] / 35		1.4	.[illegible]	.5	.2													23	23	36	48
3 / 33		.7	.1	.2	.2													11	11	20	53
[illegible] / 31		1.1	.1	.2	.1													12	12	18	33
[illegible] / 29																				14	24
[illegible] / 27																				9	17
[illegible] / 25																				1	8
[illegible] / 23																					1[illegible]
2 / 21																					7
[illegible] / 19																					0
[illegible] / 17																					4
1[illegible] / 15																					5
[illegible] / 13																					6
1 / 11																					1
[illegible] / 9																					4
TOTAL	1.5	37.4	34.6	16.0	7.4	2.6	.5											810	81[illegible]	810	810

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4740350	60980	75.3	13.596	810
Dry Bulb	1936454	38194	47.2	6.623	810
Wet Bulb	1573551	35329	43.6	6.352	810
Dew Point	1306408	31846	39.3	8.196	810

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb		1.3	.4				90
Wet Bulb		4.7					90
Dew Point		14.2					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	NOV

PAGE 1 — HOURS (L. S. T.): 18[illegible]0-2[illegible]00

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]4/ 63		.1																1	1		
/ 61		.2	.2	.1														5	5	1	
[illegible] / 59		.5	.1	.4														8	8	4	1
[illegible] / 57		.4	.7	.2														11	11	5	4
5 / 55		1.1	.2	.2	.1													14	14	9	7
4/ 53	.4	1.5	1.4	.7														22	32	19	6
[illegible] / 51	.1	2.[illegible]	3.6	.7														52	52	7[illegible]	15
[illegible] / 4[illegible]	.2	4.6	3.5	.4														7[illegible]	7[illegible]	42	24
/ 47	.2	8.1	2.7	.2	.1													93	93	86	42
[illegible] / 45	.1	6.9	2.6	.1	.1													80	80	95	7[illegible]
4/ 43		8.6	3.[illegible]	.4														100	100	78	84
2/ 41	.2	7.7	1.7	.7	.1													85	85	99	7[illegible]
4 / 3[illegible]	.9	5.7	2.[illegible]		.[illegible]													71	71	91	114
/ 37	.7	4.8	.6	.2	.2													54	54	71	85
/ 35	1.[illegible]	3.7	.2	.2	.2													44	44	65	7[illegible]
3 / 33		3.1	.1															26	26	35	53
/ 31	.[illegible]	2.2	.7	.4														29	29	29	49
/ 2[illegible]		2.1	1.	.1														26	26	21	3[illegible]
/ 27		.7		.1														7	7	23	1[illegible]
/ 25		.2																2	2	14	19
/ 23																				2	8
2/ 21																				1	10
/ 19																					13
/ 17																					8
1 / 15																					3
1 / 13																					1
1 / 11																					1
/ 9																					3
TOTAL	4.2	64.3	24.8	.4	1.2													81[illegible]		81[illegible]	81[illegible]
																		810		810	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5611843	66953	82.7	9.796	810							
Dry Bulb	1573824	35250	43.5	7.014	810		7.1					9[illegible]
Wet Bulb	1420276	33462	41.3	6.847	810		10.0					9[illegible]
Dew Point	1248703	31149	38.5	7.928	810		17.2					9[illegible]

USAFETAC FORM AUG 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	NOV

PAGE 1 — HOURS (L. S. T.): 2170-2350

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 63		.2																2	2		
2/ 61		.2																2	2	2	
/ 59		.4		.6														8	8	2	5
5-/ 57		.1	.1	.2														4	4	2	2
5 / 55		.1	.6	.2	.1													9	9	2	1
4/ 53		2.5	1.[illegible]	.2														30	32	9	1
2/ 51	.1	.9	3.3	.1														36	36	71	12
5 / 4[illegible]		4.3	3.2	.1														62	62	73	23
/ 47	.5	7.8	2.1															84	84	72	38
4 / 45		7.5	1.6															74	74	93	79
4/ 43	.1	6.7	2.3	.1														75	75	77	77
2/ 41	.4	8.8	1.5															86	86	81	[illegible]
4 / 39	.9	6.4	1.[illegible]															67	67	95	[illegible]
7 / 37	.9	8.5	.2	.1	.2													81	81	[illegible]	87
/ 35	.1	5.4	.1	.4	.2													51	51	72	8[illegible]
3 / 33	.5	4.9	.2	.1	.1													48	48	51	65
/ 31	.6	3.1	.7	.1														36	36	42	74
/ 29		1.4	.4	.2														16	16	26	28
/ 27		3.1	.2	.1														[illegible]	[illegible]	[illegible]	12
/ 25		1.[illegible]	.1															9	9	27	21
/ 23		.1																1	1	8	11
2/ 21																				[illegible]	[illegible]
/ 19		.1																1	1		22
1/ 17																				[illegible]	[illegible]
1 / 15																					[illegible]
1/ 13																					[illegible]
1 / 11																					5
/ 9																					1
/ 7																					2
TOTAL	4.1	73.5	19.9	2.8	.7														81[illegible]		81[illegible]
																		81[illegible]		81[illegible]	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥ 8 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5819082	68262	84.3	9.057	81[illegible]							
Dry Bulb	1466174	33938	41.9	7.393	81[illegible]		10.1					90
Wet Bulb	1336731	32387	40.[illegible]	7.186	810		14.2					90
Dew Point	1187418	30290	37.4	8.224	81[illegible]		21.7					90

USAFETAC FORM AS 14 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	NOV

PAGE 1

HOURS (L, S, T.) ALL

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 71					.0													1	1		
[illegible] / 69			.0	.0	.0													5	5		
6 / 67			.0	.0	.0													5	5		
6 / 65		.0	.1	.0	.1	.0												13	13	2	
4 / 63	.0	.1	.1	.0	.1													20	20	7	3
[illegible] / 61		.1	.1	.1	.1													18	18	12	3
[illegible] / 59		.3	.2	.3	.0	.0	.1	.0										65	65	19	12
[illegible] / 57		.5	.6	.4	.4	.1		.0										127	127	39	24
5 / 55	.0	.7	1.1	.6	.4	.1	.0											190	190	72	37
4 / 53	.0	1.6	1.6	.7	.2	.1												265	265	129	46
[illegible] / 51	.1	1.8	3.3	.7	.2	.0	.0											403	403	215	144
5 / 49	.2	3.3	3.3	.9	.2	.0	.0											511	512	385	206
[illegible] / 47	.3	6.1	2.6	1.0	.1	.1												662	663	562	309
4 / 45	.2	6.4	3.0	.6	.2	.0												672	672	721	520
4 / 43	.2	6.4	2.8	.4	.1	.1												649	649	625	567
2 / 41	.4	6.7	2.0	.6	.2	.1												653	654	743	656
4 / 39	.7	6.1	1.1	.2	.1													534	534	708	694
3 / 37	.5	5.2	.3	.2	.1													418	418	543	699
[illegible] / 35	.5	3.8	.3	.2	.3													329	329	459	612
39 / 33	.4	3.8	.2	.1	.1													301	301	342	466
[illegible] / 31	.3	3.0	.5	.3	.0													271	271	276	445
[illegible] / 29	.3	1.5	.2	.0														131	131	227	269
[illegible] / 27	.0	1.2	.1	.0														89	89	148	187
[illegible] / 25	.	.9	.2															69	69	116	128
[illegible] / 23	.1	.4	.1															36	36	66	77
[illegible] / 21	.0	.4	.1															32	32	35	88
[illegible] / 19		.1																8	8	19	106
1[illegible] / 17																				7	51
[illegible] / 15																					49
1[illegible] / 13																					38
1[illegible] / 11																					24
[illegible] / 9																					10
[illegible] / 7																					5
[illegible] / 5																					7

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
742070	SPAY AAF/FT LEWIS WA	73-81	NOV

PAGE 2

HOURS (L. S. T.): ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	4.4	60.5	23.7	7.5	3.0	.7	.1	.1										6477	6437	6477	6477

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4382938	527468	81.4	11.560	6477							
Dry Bulb	12525822	280300	43.3	7.868	6480		70.7	1.2				720
Wet Bulb	11152243	264503	40.8	7.359	6477		99.4					720
Dew Point	9656506	244176	37.7	8.348	6477		164.4					720

USAFETAC FORM MA 04 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
742[illegible]73	GRAY AAF/FT LEWIS WA	73-81	DEC

PAGE 1 — HOURS (L. S. T.) [illegible]

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5[illegible] / 57		.1	.1															2	2		
5 / 55		.4		.1														4	4	1	
[illegible]4 / 53		1.4	.9	.1														19	19	7	2
[illegible]2 / 51		3.4	.4	.1														32	32	11	12
5 / 49		3.3	1.7	.2	.1													48	48	37	15
[illegible] / 47		5.5	.2	.1														48	48	38	27
4[illegible] / 45		7.[illegible]	1.5															69	69	72	44
[illegible]4 / 43	.1	6.7	2.1	.5	.2													78	78	68	63
[illegible]2 / 41	.4	7.3	2.7															84	84	67	62
4 / 39	1.6	5.7	1.1															68	68	85	77
3 / 37	.6	7.9	1.1															78	78	86	63
/ 35	.4	5.7	.4															52	52	66	94
3 / 33	.5	6.2	.4															82	82	71	57
[illegible]2 / 31	.2	6.9																58	58	8[illegible]	75
[illegible] / 29	1.2	3.8	.1															42	42	52	78
[illegible] / 27	1.2	2.3																29	29	4[illegible]	59
[illegible] / 25	.2	.5																6	6	16	39
[illegible] / 23		.4																3	3	6	16
[illegible]27 / 21		.1																1	1	1	11
[illegible] / 19																					6
[illegible] / 17																					3
1 / 15		.4																3	3	1	1
1[illegible] / 13		.5																4	4	[illegible]	1
1 / 11	.2																	2	2	6	
[illegible] / 9																					3
[illegible] / 7																					2
[illegible] / 5																					1
[illegible] / 3																					1
[illegible] / 1																					2
TOTAL	6.[illegible]	78.9	12.7	1.2	.4														812		812
																		812		812	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5951521	69271	85.3	7.203	812							
Dry Bulb	131432[illegible]	32[illegible]86	39.5	7.568	812		17.0					93
Wet Bulb	12[illegible]5995	3[illegible]735	37.9	7.251	812		23.5					93
Dew Point	1[illegible]69271	28768	35.4	7.857	812		34.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	DEC

PAGE 1 — HOURS (L. S. T.) 0300-0500

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55		.7	.4															7	7		
4 / 53		1.1	.5	.1	.1													14	14	5	
2 / 51		3.7	1.1	.1														40	47	14	7
9 / 49		4.7	1.9	.5														51	51	39	25
4 / 47		4.8	.7															45	45	43	36
4 / 45		5.3	.6															48	48	61	36
4 / 43	.2	5.9	2.2	.4														71	71	48	47
2 / 41	.4	8.2	2.3	.2														93	97	72	49
4 / 39	1.2	6.3	2.2															79	79	94	66
7 / 37	.5	7.7	.6															66	66	81	69
3 / 35	.1	4.8	.1															41	41	59	83
3 / 33	1.7	9.4	.2															86	86	73	59
/ 31	.7	8.5																75	75	77	89
/ 29	1.4	4.3																46	46	65	77
/ 27	.6	1.9																25	25	35	63
/ 25	.5	1.1																13	13	19	33
/ 23		.1																1	1	7	17
2 / 21		.7																6	6	7	13
/ 19		.1																1	1	1	8
1 / 17																					7
1 / 15			.1															1	1		3
1 / 11	.5	.2																6	6	5	
1 / 9		.2																2	2	4	
/ 7																					4
/ 5																					1
/ 3																					2
/ 1																					2
TOTAL	7.2	78.2	13.1	1.4	.1														809		809
																		809		809	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5934899	69091	85.4	6.518	809
Dry Bulb	1290669	31679	39.2	7.880	809
Wet Bulb	1183311	30337	37.5	7.495	809
Dew Point	1048886	28408	35.1	7.971	809

Mean No. of Hours with Temperature

	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb		19.7					93
Wet Bulb		25.3					93
Dew Point		36.2					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	[illegible] AAF/FT LEWIS WA	72-81	DEC

PAGE 1

HOURS (L.S.T.) 0800-0800

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55			.5	.4														7	7		
4 / 53		.9	.4	.5														14	14		
7 / 51		4.1	.9		.1													41	41	39	2
5 / 49		3.7	1.6	.5														47	47	39	28
4 / 47		4.3	1.5	.4														50	50	41	34
4 / 45		5.0	.7															54	54	57	34
4 / 43		5.7	2.1		.1													64	64	51	48
7 / 41	.6	5.3	1.1	.4														60	60	46	57
1 / 39	1.2	8.5	3.1		.1													105	105	67	75
2 / 37	.4	7.9	1.[illegible]															75	75	96	67
1 / 35	.5	5.1	.7	.1														52	52	8[illegible]	53
3 / 33	.4	7.2	.4															64	64	63	87
1 / 31	1.2	9.8																89	89	76	79
1 / 29	2.3	2.8																42	42	86	94
1 / 27	.4	1.[illegible]																11	11	17	64
1 / 25	.6	1.2																15	16	14	28
1 / 23	.2	.2																4	4	12	9
2 / 21		.2																2	2	2	13
1 / 19		.5																4	4	2	12
1 / 17																				1	1
1 / 15																					4
/ 13		.5																4	4		1
1 / 11	.2	.2																4	4	6	
1 / 9		.1																1	1	3	
/ 7																					5
/ 5																					1
/ 3																					2
/ -																					1
TOTAL	5.[illegible]	75.3	14.7	2.2	.4													809	809		809
																		809		8 9	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5898225	68827	85.1	7.266	809							
Dry Bulb	1291428	31710	39.1	7.865	810		20.3					93
Wet Bulb	1179688	30306	37.5	7.412	809		25.3					93
Dew Point	1040415	28311	35.0	7.843	809	.1	36.1					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74 770	GRAY AAF/FT LEWIS WA	73-81	DEC

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 59				.7														3	3		
/ 57			.7	.2	.1													5	5		
5 / 55		.1	.6	.4														9	9		
4 / 53		1.6	1.4	.1														25	25	6	
/ 51		3.7	1.6	.2	.1													40	47	19	5
/ 49		3.7	2.3	.6	.1													49	49	34	32
/ 47		5.1	2.1	.6														71	71	49	31
4 / 45		5.1	3.2															67	67	68	45
4 / 43		6.1	2.7	.1														72	72	75	63
20 / 41	.5	5.7	3.3	.1														78	78	81	63
4 / 39	.2	7.4	3.6	.2														93	93	79	77
/ 37	.6	6.1	1.4															65	65	92	83
/ 35	.4	6.3	.7															60	63	74	80
3 / 33	.9	6.8	.7															68	68	76	77
27 / 31	1.4	6.1	.1															61	62	71	96
/ 29	1.1	1.7		.1														23	23	47	79
/ 27	.3	.1																3	3	13	39
/ 25	.1	.6																6	6	7	25
/ 23		.1																1	1	2	6
2 / 21		.1	.1															2	2	1	3
/ 19		.4		.1														4	4	2	4
1 / 17		.2	.1															3	3	2	2
1 / 15			.1															1	1	3	1
/ 13		.1																1	1	1	
1 / 11																				2	2
/ 9																					5
/ -5																					1
/ -7																					1
/ -9																					1
TOTAL	.3	66.6	24.5	3.2	.4														817		809
																		809		809	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5565406	67356	83.3	8.433	809							
Dry Bulb	1396181	33799	40.9	7.346	810		12.2					93
Wet Bulb	1259401	31429	38.8	6.895	809		17.4					93
Dew Point	1099994	29196	36.1	7.573	809	.3	30.5					93

USAFETAC FORM AS 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]70	GRAY AAF/FT LEWIS WA	73-81	DEC

PAGE 1 — HOURS (L. S. T.) 1200-1400

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
47/ 63				.1	.1													2	2		
/ 59				.5														4	4		
5 / 57			1.0	.1	.2													11	11	1	
5 / 55		.1	1.0	.2	.5													15	15	2	
47/ 53		2.0	1.0	.6	.1													33	33	14	1
/ 51		2.7	2.2	2.0	.2													58	58	27	12
5 / 49		4.7	6.4	1.4	.2													103	103	76	36
/ 47		3.7	3.8	1.5		.2												75	75	52	29
4 / 45		3.8	6.1	.9	.1													58	58	79	54
4/ 43		5.1	4.1	1.6														67	67	83	64
2/ 41		3.2	6.4	2.0	.5													99	99	97	77
4 / 39		5.1	3.5	.4	.1													73	73	89	85
3 / 37	.2	5.6	2.1	.1														65	65	108	83
/ 35	.4	4.6	1.4	.4														54	54	83	98
3/ 33	.2	2.5	.5															26	26	82	87
/ 31	.1	.6																6	6	71	89
/ 29				.4														3	3	4	34
/ 27				.2														2	2		22
/ 25			.1	.1	.1													3	3		14
/ 23																				3	7
2/ 21			.2	.1														3	3	2	2
/ 19		.1																1	1	4	1
/ 17																				1	2
/ 15																				1	
1 / 11																					4
/ 7																					1
/ 5																					1
/ 3																					1
- / -7																					2
-1 /-13																					1
TOTAL	1.0	43.0	39.0	12.6	2.4	.2												678	678	678	808

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4995775	62979	77.8	11.270	808							
Dry Bulb	1200883	35599	44.1	6.342	808		7.1					93
Wet Bulb	1396487	33230	41.1	6.082	808		5.4					93
Dew Point	1173125	31167	37.3	7.618	808	.3	21.1					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]7[illegible]	[illegible]RAY AAF/FT LEWIS WA	73-31	DEC

PAGE 1 HOURS (L. S. T.) 1[illegible]-17[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-[illegible]	[illegible]	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 67				.1														1	1		
[illegible]/ 61			.1															1	1		
[illegible]/ 59				.1														1	1		
[illegible]/ 57		.1	.1	.2														4	4	[illegible]	
5/ [illegible]5		.6	.7	.6	.2													13	18	[illegible]	
4/ 53		2.5	.9	.5	.2													23	33	[illegible]	4
[illegible]/ 51		1.9	1.7	1.2														39	39	[illegible]6	14
5/ [illegible]		4.7	4.4	1.7	.2													89	89	[illegible]	22
[illegible]/ 47		4.5	3.[illegible]	1.5	.1	.2												[illegible]	[illegible]	[illegible]6	34
[illegible]/ 45		5.6	4.5	.4														84	84	[illegible]	49
[illegible]4/ 43		5.9	6.[illegible]	1.5														107	1[illegible]7	[illegible]6	[illegible]
[illegible]2/ 41	.2	3.7	6.5	1.5	.4													93	93	[illegible]6	87
[illegible]/ [illegible]	.4	6.2	4.2	.6	.2													94	94	[illegible]	[illegible]
[illegible]/ 37		5.2	1.7	.5														60	60	124	77
[illegible]/ 35	.4	4.9	1.1	.4														54	54	68	1[illegible]
3/ 33	.4	2.6	.5	.2														30	30	67	74
[illegible]/ 31	.2	.6	.1															8	8	[illegible]	9[illegible]
[illegible]/ [illegible]				.1														1	1	[illegible]	39
[illegible]/ 27				.2														2	2	1	18
[illegible]/ 25				.4	.1													4	4		8
[illegible]/ 23				.2														2	2	1	6
2/ 21		.2	.1															3	3	5	9
[illegible]/ 19																				5	7
[illegible]/ 17																				1	2
[illegible]/ 15																					1
[illegible]/ 13																					1
1/ 11																					1
[illegible]/ [illegible]																					5
[illegible]/ [illegible]																					1
[illegible]/ -5																					1
[illegible]/ -7																					2
TOTAL	1.6	45.6	35.7	12.2	1.6	.2													803		803
																		8[illegible]3		8[illegible]3	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5[illegible]69611	63161	78.7	11.255	803							
Dry Bulb	1552323	34961	43.5	6.186	803		2.3					93
Wet Bulb	1363373	32729	40.8	6.054	803		5.7					93
Dew Point	1153259	29833	37.1	7.666	803	.3	21.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-81	[illegible]

PAGE [illegible] HOURS [illegible] S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 87				[illegible]		[illegible]												[illegible]	[illegible]			
[illegible] / 85		[illegible]	[illegible]	[illegible]														11	11			
[illegible] / 83		[illegible]	[illegible]															[illegible]	[illegible]			
[illegible] / 81		1.1	1.[illegible]															[illegible]	[illegible]	[illegible]		[illegible]
[illegible] / 49		[illegible]	1.[illegible]															44	44	[illegible]		
[illegible] / 47		[illegible]	1.6	.2														[illegible]	[illegible]	[illegible]		[illegible]
[illegible] / 45		6.7	2.5	.2														76	76	71		[illegible]
[illegible] / 43		5.1	2.[illegible]	.4														[illegible]	[illegible]	[illegible]		[illegible]
[illegible] / 41		5.1	5.6	.4														97	[illegible]	67		[illegible]
[illegible] / 39	.6	8.4	2.6	.2														103	1[illegible]3	[illegible]		[illegible]
[illegible] / 37	.[illegible]	8.1	.9	.1														75	75	1[illegible]4		[illegible]
[illegible] / 35	1.[illegible]	5.2	.7	.1	.1													58	58	79		95
[illegible] / 33	.5	8.1	.4	.2														74	74	54		95
[illegible] / 31	.5	5.1	.2	.1														49	49	49		9[illegible]
[illegible] / 29	.6	1.0	.1															21	21	78		5[illegible]
[illegible] / 27	.1	.4																4	4	[illegible]		42
[illegible] / 25			.4															3	3	5		[illegible]
[illegible] / 23																						
[illegible] / [illegible]		.1																1	1	3		6
[illegible] / [illegible]		[illegible]																[illegible]	[illegible]	[illegible]		[illegible]
[illegible] / [illegible]		[illegible]	.1															3	3	[illegible]		[illegible]
[illegible] / 15		.1	.1															2	2	[illegible]		[illegible]
[illegible] / 13		[illegible]																1	1	[illegible]		4
[illegible] / 11																				[illegible]		
[illegible] / [illegible]																						[illegible]
[illegible] / [illegible]																						1
[illegible] / [illegible]																						[illegible]
TOTAL	[illegible].6	71.[illegible]	22.1	[illegible].[illegible]	.1	.1													[illegible]1			[illegible]01
																		801		801		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5[illegible]348	66768	8[illegible].4	[illegible].697	801							
Dry Bulb	137[illegible]281	32461	4[illegible].5	6.939	801		9.9					93
Wet Bulb	124[illegible]989	[illegible]1[illegible]73	35.[illegible]	6.669	801		16.1					93
Dew Point	1[illegible]6394	28864	36.[illegible]	7.6[illegible]6	801	.5	28.[illegible]					93

USAFETAC FORM 0-26-5 (OLA) JUN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	GRAY AAF/FT LEWIS WA	73-8[illegible]	DEC

PAGE [illegible] HOURS (L.S.T.) 21[illegible]-27[illegible]

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 57			.4															[illegible]	[illegible]		
5 / 55		.5																5	5		
[illegible] / 53		[illegible].1	1.1															26	26	[illegible]	
[illegible] / 51		1.[illegible]	1.6															21	21	[illegible]	1[illegible]
[illegible] / 49		3.4	1.5															39	39	[illegible]	15
[illegible] / 47		6.7	1.[illegible]	.4														45	45	[illegible]	[illegible]
4 / 45		8.1	1.2	.2														77	77	[illegible]	44
4 / 43		5.6	2.4		.4													67	67	[illegible]	63
[illegible] / 41	.2	4.7	2.2	.4	.1													62	62	56	68
[illegible] / 39	.6	7.5	2.[illegible]															81	81	66	81
[illegible] / 37	.6	8.7	.9	.1														83	83	99	50
[illegible] / 35	1.1	7.2	.9															74	74	87	97
3 / 33	.6	7.4	.5	.1														69	69	77	78
[illegible] / 31	.2	5.1	.2	.2														54	54	67	76
[illegible] / [illegible]	.5	3.1	.4															40	40	47	9[illegible]
[illegible] / [illegible]	.5	1.5																16	16	33	41
[illegible] / 25		.5																5	5	13	29
[illegible] / 23		.1																1	1	4	16
2 / 21	.1		.2															3	3	1	9
[illegible] / 19		.1																1	1	2	7
[illegible] / 17		.2																2	2	1	[illegible]
1 / 15		.1																1		4	[illegible]
[illegible] / 13		.2																2		1	3
1 / 11		.4																2	2	[illegible]	
[illegible] / [illegible]		.2																1	1	2	2
[illegible] / 7	[illegible]																			1	5
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					1
[illegible] / [illegible]																					2
TOTAL	.5	67.5	81.6	6.5	1.5	.5													8[illegible].1		9[illegible].1
																		801		801	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5752779	67[illegible]53	84.3	8.340	801							
Dry Bulb	1[illegible]1.1[illegible]5	31831	39.7	7.514	801		15.[illegible]					93
Wet Bulb	1194964	3[illegible]392	37.9	7.230	801		20.6					93
Dew Point	1051730	28300	35.3	8.052	801	.[illegible]	33.2					93

USAFETAC FORM 0-26-5 (OL A) AUG 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
24[illegible]72	GRAY AAF/FT LEWIS WA	73-81	DEC

PAGE [illegible] ALL HOURS (L.S.T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 63				•	•													1	1		
/ 61			•1															1	1		
/ 59				•1														1	1		
5/ 57		•1	•2	•1	•1	•1												28	28	3	
5/ 55		•4	•4	•3	•1													76	76	5	
4/ 53		1.8	•9	•2	•1													130	130	18	1
7/ 51		2.6	1.4	•5	•1													294	294	169	76
5/ 49		3.9	2.1	•6	•1													470	470	256	168
/ 47		5.2	1.8	•6	•1	•1												492	492	425	244
5/ 45		6.1	2.5	•2	•1													563	563	561	361
4/ 43	•	5.8	2.9	•6	•1													606	606	552	464
2/ 41	•3	5.5	3.8	•6	•1													663	663	672	513
/ 39	•1	7.1	2.8	•2	•1													696	696	65[illegible]	593
7/ 37	•4	7.1	1.2	•1														567	567	676	576
7/ 35	•5	5.5	•8	•1	•													445	445	596	727
3/ 33	•6	6.6	•4	•1														499	499	541	614
/ 31	•6	5.5	•1	•														399	450	495	587
/ [illegible]	•	2.2	•1	•1														219	218	348	547
/ 27	•4	•9		•1														87	87	158	342
/ 25	•2	•5	•1	•1	•													55	56	74	200
/ 23	•	•1		•														12	12	35	79
3/ 21	•	•2	•1	•														21	21	23	66
/ 19		•1		•														13	13	19	44
/ 17		•1	•															8	8	6	21
1/ 15		•1	•															8	8	8	17
/ 13		•2																12	12	6	10
1/ 11	•1	•1																15	15	23	7
/ 9		•1																4	4	1[illegible]	1[illegible]
/ 7																				1	24
/ 5																					6
/ 3																					12
/ 1																					5
/ -1																					3
- / -3																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM JUL 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74 077	FAY AAF/FT LEWIS WA	73-81	DEC

PAGE 2 — HOURS (L.S.T.): ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -6																					
-7 / -7																					
- / -6																					
-1 / -1																					
TOTAL	4.4	67.3	22.3	4.7	.7	.1												6452	6454	6452	6452

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	44897564	534926	82.9	9.214	6452							
Dry Bulb	11126627	263626	40.8	7.452	6454		98.4					744
Wet Bulb	10023921	250231	38.8	7.033	6452		139.3					744
Dew Point	8723073	231817	35.9	7.815	6452	1.8	240.9					744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

74[illegible] 7[illegible] — STATION
GRAY AAF/FT LEWIS WA — STATION NAME
73-8[illegible] — YEARS
ALL — MONTH
PAGE [illegible]
ALL — HOURS L.S.T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 99														.0	.0			2	2		
[illegible] / 97													.0	.0	.0	.0		9	9		
[illegible] / 95														.0	.0	.0		11	11		
[illegible] / 93												.0	.0	.0	.0			26	26		
[illegible] / 91											.0	.0	.0	.0	.0			31	31		
[illegible] / 89										.0	.0	.0	.0	.0	.0			43	43		
[illegible] / 87									.0	.0	.0	.0	.0	.0	.0			84	84		
[illegible] / 85								.0	.0	.0	.1	.0	.0	.0				14[illegible]	14[illegible]		
[illegible] / 83								.0	.0	.1	.1	.0	.0	.0				186	186		
[illegible] / 81							.0	.0	.1	.1	.1	.0	.0					26[illegible]	26[illegible]		
[illegible] / 79						.0	.0	.1	.1	.1	.0	.0	.0					321	321		
7 / 77					.0	.0	.1	.2	.2	.1	.0	.0	.0					474	474		
[illegible] / 75					.0	.1	.2	.3	.1	.1	.0	.0						583	583		
[illegible] / 73				.0	.0	.2	.4	.2	.2	.0	.0	.0						768	768	4	
[illegible] / 71			.0	.0	.1	.3	.4	.2	.1	.0	.0							969	969	49	
[illegible] / 69			.0	.1	.3	.5	.4	.2	.1	.0	.0							1139	1139	79	
[illegible] / 67			.0	.2	.5	.5	.4	.2	.1	.0								1473	1453	277	
6 / 65		.0	.1	.5	.6	.5	.3	.1	.1	.0								1913	1913	573	[illegible]
4 / 63	.0	.1	.3	.5	.6	.5	.2	.1	.0	.0								2274	2274	981	22
[illegible] / 61	.0	.3	.8	1.1	.9	.4	.2	.1	.0									2972	2972	1638	172
[illegible] / 59	.0	.7	1.4	1.1	.7	.5	.2	.1	.0									3700	3701	2691	492
[illegible] / 57	.1	1.3	2.0	1.3	.8	.4	.2	.0										4728	4728	3853	1280
5 / 55	.1	1.6	2.1	1.4	.7	.3	.1	.0	.0									4652	4852	4954	2758
4 / 53	.1	1.9	2.2	1.2	.5	.2	.1	.0										4793	4793	5374	4104
[illegible] / 51	.1	1.9	2.7	1.1	.5	.2	.1	.0										4945	4945	5548	5285
[illegible] / 49	.1	2.7	2.6	1.1	.4	.1	.1											5429	5431	5847	5381
[illegible] / 47	.1	3.6	3.1	1.1	.2	.1	.1	.0										5512	5514	6336	5658
4 / 45	.1	3.6	2.2	.5	.1	.0	.1											5165	5165	6510	6517
4 / 43	.1	3.5	2.1	.4	.1	.0	.1											4900	4900	5663	6204
4 / 41	.2	3.4	2.0	.3	.1	.0	.1											4780	4781	5788	6481
4 / 39	.4	3.1	1.3	.1	.1	.0	.1											3942	3943	5265	6184
3 / 37	.3	3.1	.6	.1	.1	.0												3220	3220	4614	5623
[illegible] / 35	.1	2.3	.4	.1	.1	.0												2557	2557	3475	5548
3 / 33	.2	2.1	.2	.1	.0	.0												2164	2164	2931	4390

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM AIR 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
74[illegible]	GRAY AAF/FT LEWIS WA	73-81	ALL

PAGE [illegible] — HOURS (L. S. T.): ALL

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 3[illegible]	.3	1.[illegible]	.2	.1	.1	.0												1828	1829	[illegible]	4395
[illegible] / [illegible]	.3	.7	.2	.3	.0													989	989	1656	2764
[illegible] / [illegible]	.0	.4	.1	.0	.0													479	479	[illegible]	1412
[illegible] / 25	.1	.3	.1	.[illegible]	.0													354	355	543	924
[illegible] / 23	.0	.1	.0	.0														156	158	356	469
[illegible] / 21	.1	.1	.0	.0														150	150	221	461
[illegible] / 19	.[illegible]	.1	.0	.0														113	113	173	472
[illegible] / 17		.1	.0															58	58	84	269
[illegible] / [illegible]		.0	.0															42	43	57	268
[illegible] / 13		.1	.0															47	47	43	188
1 / 11	.[illegible]	.0																33	33	61	1[illegible]5
/ [illegible]		.0																13	13	26	75
/ 7		.0																7	7	11	69
/ [illegible]																				3	72
/ [illegible]																					75
/ [illegible]																					61
/ -[illegible]																					41
- / -[illegible]																					37
- / -5																					16
- / -7																					14
- / -9																					3
- / -11																					1
-1 / -13																					0
TOTAL	.7	13.8	.7	25.6	12.6	7.9	4.9	3.1	1.7	1.1	.6	.3	.2	.1	.1	.0	.0	.0	78525		78515
																		78515		78515	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	455278213	585[illegible]163	74.5	15.712	78515							
Dry Bulb	2[illegible]75831[illegible]5	3932665	5[illegible].1	11.633	78525		481.0	711.0	326.4	106.0	5.2	8760
Wet Bulb	171887251	36[illegible]1327	45.9	9.239	78515		678.6	43.1	.4			8760
Dew Point	142131686	3260524	41.5	9.259	78515	12.8	1392.6					8760

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74207C GRAY AAF/FT LEWIS WA 73-81

STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]	MEAN	35.7	38.6	40.1	42.8	47.1	51.8	56.0	56.8	53.4	46.2	41.1	39.5	45.8
	S D	8.321	6.533	5.473	5.314	4.720	4.582	4.127	4.092	4.639	5.921	7.744	7.568	9.119
	TOTAL OBS	823	762	837	810	837	810	837	837	810	837	810	812	9822
[illegible]	MEAN	35.1	38.0	39.0	41.0	45.3	49.9	53.4	54.7	51.7	45.2	40.5	39.2	44.5
	S D	8.834	6.677	5.809	5.516	4.750	4.718	3.980	4.077	4.984	6.184	8.017	7.880	8.828
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	809	9818
[illegible]	MEAN	34.3	37.7	38.9	42.8	48.7	53.7	56.9	56.5	53.0	45.6	40.3	39.1	45.7
	S D	9.121	6.709	5.874	5.345	4.631	4.621	4.455	4.525	5.003	6.068	8.087	7.865	9.749
	TOTAL OBS	822	762	837	810	837	809	837	837	810	837	810	810	9818
[illegible]-11	MEAN	37.[illegible]	41.6	44.4	49.8	55.0	59.6	63.9	63.4	61.0	52.3	43.9	40.9	51.2
	S D	7.977	6.235	5.071	5.583	5.686	6.045	6.133	6.259	5.503	5.668	7.478	7.346	11.046
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	810	9819
11-14	MEAN	41.2	46.0	49.3	54.2	58.9	64.2	69.3	69.2	66.5	57.7	47.7	44.1	55.8
	S D	6.444	5.722	5.515	6.895	7.239	7.261	7.438	7.794	6.935	6.263	6.667	6.342	11.776
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	808	9817
[illegible]-17	MEAN	41.6	46.3	50.0	55.3	60.0	65.8	71.7	71.4	67.7	57.8	47.2	43.5	56.7
	S D	6.126	5.729	5.885	7.515	7.976	8.046	7.937	8.671	7.785	6.369	6.623	6.186	12.647
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	803	9812
[illegible]-20	MEAN	38.3	42.2	45.9	51.4	56.5	62.5	68.4	67.5	62.0	51.7	43.5	40.8	52.7
	S D	6.738	5.671	5.287	6.844	7.175	7.296	7.541	7.856	6.321	5.295	7.014	6.939	12.232
	TOTAL OBS	822	762	836	810	837	810	837	837	810	837	810	801	9809
21-23	MEAN	36.7	40.0	42.1	46.1	50.6	56.0	60.7	60.6	56.2	48.1	41.9	39.7	48.3
	S D	7.443	6.270	4.946	5.671	5.305	5.110	5.069	5.169	4.605	5.419	7.393	7.514	10.060
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	801	9810
ALL HOURS	MEAN	37.5	41.3	43.8	47.9	52.8	57.9	62.5	62.5	58.9	50.6	43.3	40.8	50.1
	S D	8.077	6.975	6.886	8.011	7.991	8.253	8.805	8.655	8.266	7.629	7.868	7.452	11.633
	TOTAL OBS	6577	6096	6695	6480	6696	6479	6696	6696	6480	6696	6480	6454	78525

USAFETAC FORM JUL 64 0-89-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74?070 GRAY AAF/FT LEWIS WA 73-81

STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	34.3	36.9	37.8	40.3	44.2	48.6	52.4	53.6	50.9	44.2	39.3	37.9	43.4
	S D	8.309	6.228	5.275	4.717	4.297	3.947	3.652	3.494	4.344	5.462	7.498	7.251	8.482
	TOTAL OBS	823	762	837	810	837	810	837	836	810	837	810	812	9821
03-05	MEAN	33.6	36.4	36.9	38.9	42.9	47.3	50.7	52.2	49.5	43.4	38.7	37.5	42.4
	S D	8.723	6.345	5.546	5.063	4.469	4.271	3.710	3.791	4.749	5.851	7.618	7.495	8.381
	TOTAL OBS	822	762	837	810	837	810	837	837	809	837	809	809	9816
06-08	MEAN	33.2	36.2	36.9	40.2	45.4	49.8	53.0	53.5	50.6	43.8	38.5	37.5	43.3
	S D	8.976	6.372	5.571	4.763	4.086	3.756	3.483	3.717	4.604	5.715	7.696	7.412	8.935
	TOTAL OBS	822	762	837	810	837	809	836	837	809	837	808	809	9813
09-11	MEAN	35.1	39.1	41.0	44.5	48.9	53.0	56.7	57.3	55.6	48.8	41.4	38.8	46.8
	S D	7.908	5.796	4.580	4.145	4.191	4.114	3.858	3.696	3.476	4.419	7.120	6.895	9.062
	TOTAL OBS	821	762	837	810	837	810	837	837	810	837	810	809	9817
12-14	MEAN	38.1	41.9	43.3	46.8	50.7	55.2	59.2	59.9	58.0	51.7	43.9	41.1	49.2
	S D	6.884	5.230	4.479	4.645	4.616	4.428	4.201	4.075	3.707	4.185	6.325	6.082	8.870
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	808	9817
15-17	MEAN	38.3	42.0	43.5	47.1	51.0	55.8	60.1	60.5	58.3	51.6	43.6	40.8	49.5
	S D	6.691	5.195	4.566	4.631	4.564	4.664	4.171	4.145	3.959	4.427	6.352	6.054	9.100
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	803	9812
18-20	MEAN	36.2	39.5	41.4	45.1	49.3	54.2	58.5	59.0	55.9	48.4	41.3	38.8	47.4
	S D	7.113	5.448	4.700	4.624	4.480	4.350	4.115	3.999	3.896	4.579	6.847	6.669	9.318
	TOTAL OBS	822	762	836	810	837	810	837	837	810	837	810	801	9809
21-23	MEAN	34.9	37.9	39.3	42.3	46.4	51.0	55.2	55.9	52.8	45.8	40.0	37.9	45.0
	S D	7.542	5.958	4.863	4.539	4.237	3.836	3.695	3.611	4.002	5.002	7.186	7.230	8.807
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	801	9810
ALL HOURS	MEAN	35.4	38.7	40.0	43.2	47.4	51.8	55.7	56.5	53.9	47.2	40.8	38.8	45.9
	S D	8.018	6.227	5.570	5.502	5.208	5.118	5.041	4.841	5.224	5.913	7.359	7.033	9.239
	TOTAL OBS	6576	6096	6695	6480	6696	6479	6695	6695	6478	6696	6477	6452	78515

USAFETAC FORM JUL 64 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

74077 GRAY AAF/FT LEWIS WA 73-81

STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	30.5	34.2	34.6	37.0	41.0	45.4	49.3	51.0	48.7	42.1	36.8	35.4	40.6
	S D	1 .443	7.212	6.030	5.028	4.677	4.380	4.121	3.816	4.811	5.627	8.455	7.857	9.054
	TOTAL OBS	823	762	837	810	837	810	837	836	810	837	810	812	9821
3-05	MEAN	30.5	33.8	33.8	36.1	40.2	44.6	48.3	50.0	47.6	41.4	36.2	35.1	39.9
	S D	10.624	7.196	6.221	5.354	4.880	4.660	4.128	4.095	5.124	6.062	8.419	7.971	9.030
	TOTAL OBS	822	762	837	810	837	810	837	837	809	837	809	809	9816
6-08	MEAN	30.2	33.7	33.9	37.0	41.8	46.3	49.8	51.1	48.5	41.8	36.0	35.0	40.5
	S D	10.815	7.062	6.134	5.007	4.498	4.219	3.688	3.824	4.866	5.942	8.428	7.840	9.324
	TOTAL OBS	822	762	837	810	837	809	836	837	809	837	808	809	9813
9-11	MEAN	31.7	35.7	36.2	38.5	42.7	47.2	51.0	52.7	51.1	45.5	38.2	36.1	42.3
	S D	10.203	6.940	5.920	4.809	4.756	4.659	3.990	3.531	3.815	4.345	8.205	7.573	9.120
	TOTAL OBS	821	762	837	810	837	810	837	837	810	837	810	809	9817
12-14	MEAN	33.1	36.6	36.0	38.7	42.7	47.5	51.6	53.1	51.4	46.2	39.3	37.3	42.8
	S D	1 .668	7.196	6.474	5.492	5.053	5.210	4.305	3.909	4.265	4.460	8.232	7.618	9.200
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	808	9817
15-17	MEAN	33.2	36.4	35.4	37.9	42.2	47.4	51.4	52.7	51.0	45.9	39.3	37.1	42.6
	S D	10.757	7.537	7.101	5.900	5.359	5.584	4.744	4.372	4.839	5.015	8.196	7.666	9.394
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	803	9812
18-20	MEAN	32.3	35.8	35.6	37.9	42.1	46.9	50.8	52.6	50.9	45.2	38.5	36.0	42.1
	S D	10.313	7.243	6.632	5.703	5.278	5.053	4.697	4.300	4.740	4.884	7.928	7.676	9.298
	TOTAL OBS	822	762	836	810	837	810	837	837	810	837	810	801	9809
21-23	MEAN	31.5	35.0	35.4	37.9	41.9	46.3	50.6	52.2	49.9	43.5	37.4	35.3	41.5
	S D	10.122	7.109	6.048	5.024	4.727	4.448	4.192	3.825	4.579	5.286	8.224	8.052	9.189
	TOTAL OBS	822	762	837	810	837	810	837	837	810	837	810	801	9810
ALL HOURS	MEAN	31.7	35.2	35.1	37.6	41.8	46.4	50.4	51.9	49.9	43.9	37.7	35.6	41.5
	S D	10.543	7.267	6.384	5.362	4.976	4.885	4.375	4.094	4.834	5.555	8.348	7.815	9.259
	TOTAL OBS	6576	6096	6695	6480	6696	6479	6695	6695	6478	6696	6477	6452	78515

USAFETAC FORM JUL 64 0-89-5 (OLA)

AL CLIMATOLOGY BRANCH
TAC
FAT-FD SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	99.4	[illegible]	97.5	[illegible]	87.6	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	99.9	99.[illegible]	[illegible]	97.6	96.1	89.[illegible]	72.6	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	99.[illegible]	[illegible]	95.6	92.4	[illegible]	66.[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	99.5	97.[illegible]	[illegible]	89.8	[illegible]	69.	43.[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]	82.5	66.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	97.[illegible]	[illegible]	94.3	[illegible]	81.[illegible]	56.[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	99.	[illegible]	94.9	92.5	86.9	71.[illegible]	24.5	[illegible]	[illegible]
TOTALS		[illegible]	99.9	[illegible]	96.6	94.4	90.7	81.[illegible]	[illegible]	[illegible]	.	[illegible]

USAPETAC FORM JUL 64 0-87-5 (OL A)

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] SERVICE/MAC

RELATIVE HUMIDITY

	[illegible]Y AAF/FT LEWIS WA	[illegible]	[illegible]
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.4	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.9	[illegible]	77.7	[illegible]	[illegible]	[illegible]
	[illegible]-11	[illegible]	[illegible]	[illegible]	[illegible]	97.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]-23	[illegible]	[illegible]	99.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	79.4	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

[illegible]AL CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]AY AAF/FT LEWIS WA	[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.7	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

USAPETAC FORM AR 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	97.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM No. 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION	[illegible] STATION NAME	[illegible] PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.5	[illegible]	[illegible]	17.4	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.4	[illegible]	45.4	17.4	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	99.9	97.4	93.2	[illegible]	52.7	27.5	12.6	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	99.4	[illegible]	88.4	65.9	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	99.9	98.9	94.5	[illegible]	72.5	[illegible]	[illegible]	7.3	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] SERVICE [illegible]

RELATIVE HUMIDITY

[illegible]	[illegible]	[illegible]	
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

[illegible] STATION [illegible] STATION NAME [illegible] PERIOD [illegible] MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	99.3	96.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

USAPETAC FORM JUL 64 0-87-5 (OL A)

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.4	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	97.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.1	97.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	99.7	[illegible]	97.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

[illegible]

RELATIVE HUMIDITY

[illegible]	[illegible]	[illegible]	[illegible]
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	LL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	87.	67.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.4	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	96.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	99.9	[illegible]	97.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.1	[illegible]	11.7	[illegible]	[illegible]

USAFETAC FORM JUL 64 0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

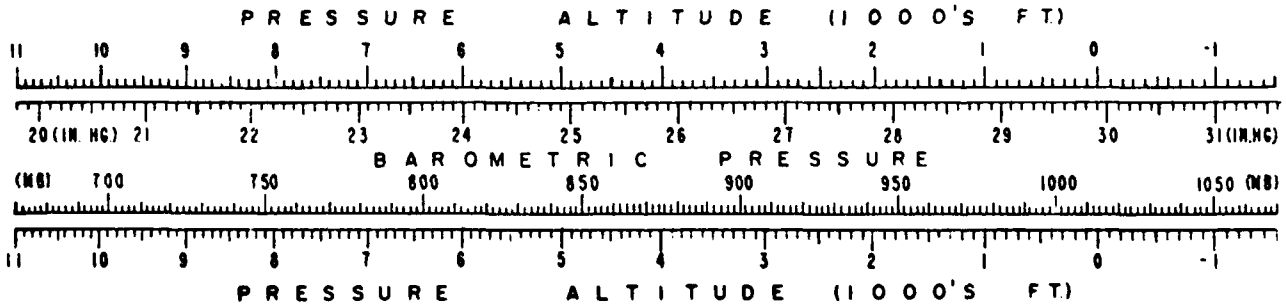
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



F

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS
727070	GRAY AAF/FT LEWIS WA	73-81

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	29.729	29.673	29.663	29.729	29.719	29.734	29.724	29.687	29.695	29.736	29.718	29.722	29.711
	S D	.281	.270	.221	.190	.156	.118	.102	.108	.149	.209	.249	.270	.204
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	269	3272
	MEAN	29.731	29.666	29.655	29.726	29.717	29.733	29.729	29.688	29.695	29.732	29.717	29.722	29.709
	S D	.279	.276	.226	.193	.161	.123	.103	.109	.152	.210	.252	.267	.206
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	270	3273
	MEAN	29.726	29.668	29.664	29.738	29.731	29.748	29.747	29.707	29.711	29.740	29.719	29.718	29.718
7	S D	.281	.276	.231	.194	.162	.127	.105	.111	.154	.215	.252	.269	.208
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	270	3273
	MEAN	29.748	29.686	29.680	29.745	29.731	29.748	29.748	29.710	29.721	29.752	29.736	29.742	29.729
	S D	.279	.276	.231	.193	.159	.125	.103	.110	.156	.217	.251	.274	.208
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	270	3273
	MEAN	29.725	29.670	29.664	29.727	29.718	29.734	29.735	29.694	29.703	29.731	29.718	29.726	29.712
12	S D	.273	.273	.225	.190	.154	.123	.104	.109	.151	.213	.248	.269	.204
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	269	3272
	MEAN	29.715	29.653	29.646	29.708	29.701	29.718	29.711	29.669	29.682	29.715	29.708	29.722	29.696
16	S D	.269	.269	.219	.183	.148	.121	.104	.109	.148	.204	.241	.266	.200
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	268	3271
	MEAN	29.717	29.657	29.649	29.707	29.697	29.712	29.701	29.659	29.680	29.720	29.707	29.725	29.694
20	S D	.269	.267	.217	.181	.146	.117	.103	.108	.145	.204	.245	.267	.199
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	267	3270
	MEAN	29.724	29.666	29.667	29.728	29.718	29.731	29.722	29.679	29.696	29.731	29.713	29.729	29.709
2	S D	.274	.268	.218	.182	.153	.117	.103	.109	.146	.205	.249	.272	.202
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	267	3270
ALL HOURS	MEAN	29.727	29.667	29.661	29.726	29.717	29.732	29.727	29.686	29.698	29.732	29.717	29.726	29.710
	S D	.275	.271	.223	.188	.155	.122	.104	.110	.150	.210	.248	.269	.204
	TOTAL OBS	2192	2032	2232	2160	2232	2160	2232	2232	2160	2232	2160	2150	26174

USAFETAC FORM JUL 64 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

94 270 GRAY AAF/FT LEWIS WA 73-81

STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	1018.5	1016.5	1016.1	1018.4	1017.9	1018.4	1018.0	1016.7	1017.1	1018.5	1018.0	1019.2	1017.7
	S D	9.542	9.262	7.457	6.529	5.309	3.996	3.475	3.731	5.117	7.113	8.452	9.223	6.953
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	269	3272
4	MEAN	1018.5	1016.2	1015.9	1018.2	1017.9	1018.4	1018.2	1016.8	1017.0	1018.4	1017.9	1018.2	1017.6
	S D	9.537	9.448	7.659	6.627	5.486	4.156	3.481	3.736	5.223	7.121	8.540	9.139	7.032
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	270	3273
7	MEAN	1018.3	1016.4	1016.2	1018.7	1018.4	1018.9	1018.8	1017.4	1017.6	1018.6	1018.0	1018.1	1018.0
	S D	9.600	9.491	7.841	6.636	5.515	4.268	3.513	3.830	5.291	7.290	8.574	9.239	7.106
	TOTAL OBS	274	253	279	270	279	269	279	279	270	279	270	270	3271
10	MEAN	1019.1	1016.9	1016.7	1018.9	1018.4	1018.9	1018.8	1017.5	1017.9	1019.1	1018.6	1018.8	1018.3
	S D	9.569	9.469	7.855	6.612	5.415	4.217	3.443	3.788	5.360	7.392	8.520	9.421	7.106
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	270	3273
13	MEAN	1018.3	1016.4	1016.2	1018.3	1017.9	1018.4	1018.4	1017.0	1017.3	1018.4	1018.0	1018.3	1017.7
	S D	9.348	9.363	7.658	6.496	5.261	4.160	3.506	3.763	5.196	7.225	8.396	9.236	6.972
	TOTAL OBS	274	254	279	270	279	270	278	279	270	279	270	269	3271
16	MEAN	1018.0	1015.8	1015.6	1017.7	1017.3	1017.8	1017.6	1016.1	1016.6	1017.8	1017.6	1018.1	1017.2
	S D	9.159	9.212	7.438	6.296	5.075	4.114	3.508	3.772	5.065	6.948	8.159	9.129	6.827
	TOTAL OBS	274	254	279	270	279	270	279	279	270	279	270	268	3271
19	MEAN	1018.0	1016.0	1015.7	1017.6	1017.2	1017.6	1017.2	1015.8	1016.5	1018.0	1017.6	1018.3	1017.1
	S D	9.201	9.140	7.334	6.207	4.967	3.961	3.489	3.731	4.996	6.977	8.305	9.155	6.806
	TOTAL OBS	274	254	279	270	279	270	279	279	270	278	270	267	3269
22	MEAN	1018.3	1016.3	1016.3	1018.3	1017.9	1018.3	1017.9	1016.5	1017.1	1018.3	1017.8	1018.4	1017.6
	S D	9.348	9.160	7.411	6.243	5.202	3.956	3.486	3.778	5.012	7.004	8.451	9.289	6.878
	TOTAL OBS	274	254	279	270	279	270	279	279	270	278	270	267	3269
ALL HOURS	MEAN	1018.4	1016.3	1016.1	1018.3	1017.9	1018.3	1018.1	1016.7	1017.1	1018.4	1017.9	1018.3	1017.7
	S D	9.405	9.308	7.580	6.461	5.288	4.118	3.521	3.801	5.168	7.134	8.417	9.217	6.969
	TOTAL OBS	2192	2031	2232	2160	2232	2159	2231	2232	2160	2230	2160	2150	26169

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